

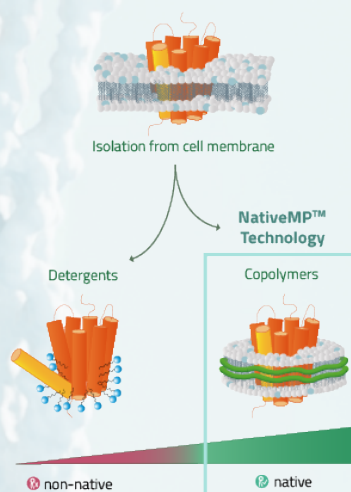
# Our NativeMP™ Targets — only at Cube Biotech

## NativeMP™ Technology

Superior Stabilization via Co-polymer Isolation

### The NativeMP™ Advantage

NativeMP™ targets are full-length, wild-type membrane proteins extracted directly from the cell membrane. By utilizing proprietary co-polymers instead of detergents, we preserve the protein's native conformation and its essential surrounding lipid bilayer.



### Expression & Purification

- **Mammalian & Insect Hosts**

This ensures correct folding and native post-translational modifications.

- **High-Specificity Capture**

Our C-terminal Rho1D4-tag system enables high purity with minimal structural interference.

- **Standardized Workflow**

Every target undergoes a two-step purification to ensure removal of aggregates and unwanted buffer components.

### Quality Control

- **Analytical Homogeneity**

We use Dynamic Light Scattering (DLS) to confirm monodisperse populations free of aggregates before and after freeze-thaw analysis.

- **Thermal Profiling**

NanoDSF analysis to ensure thermal stability of particle.

- **Verified Identity**

Purity and molecular weight are confirmed via standardized SDS-PAGE and Western Blotting.

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## Price Overview

Complexity	50 µg	100 µg	500 µg+	Biotinylated	Empty Discs
1	6,480 €	10,800 €	Inquire*	+ 500 €	+ 200 €
2	7,680 €	12,800 €	Inquire*	+ 500 €	+ 200 €
3	8,800 €	14,800 €	Inquire*	+ 500 €	+ 200 €

*\*For 500 µg+, please contact [servicesolution@cube-biotech.com](mailto:servicesolution@cube-biotech.com). Prices exclude tax and shipment. Shipment from Germany (DAP).*

## Optional Add-ons

- **Biotinylated Copolymer:** Enables direct immobilization for SPR/ELISA without modifying the protein.
- **Matching Empty Discs:** The ideal experimental control for accurate background noise subtraction.

## Catalog Quick Navigation

*Click on a category name below to jump directly to the target list.*

- **ABC Transporters** ..... View Table (21 entries)
- **Aquaporins** ..... View Table (12 entries)
- **Claudins** ..... View Table (9 entries)
- **GPCRs** ..... View Table (41 entries)
- **Integrins** ..... View Table (8 entries)
- **Ion Channels** ..... View Table (20 entries)
- **Receptors** ..... View Table (42 entries)
- **SLC Transporters** ..... View Table (46 entries)
- **Tetraspanins** ..... View Table (7 entries)
- **Others** ..... View Table (7 entries)
- **Total NativeMP™ Targets** ..... **213**

# Our NativeMP™ Targets — only at Cube Biotech

## ABC Transporter

Target	Full Name	UniProt	Complexity
<b>ABCA1</b>	Phospholipid-transporting ATPase ABCA1	Q95477	2
<b>ABCA2</b>	ATP-binding cassette sub-family A member 2	Q9BZC7	3
<b>ABCA3</b>	Phospholipid-transporting ATPase ABCA3	Q99758	2
<b>ABCA4</b>	Retinal-specific phospholipid-transporting ATPase ABCA4	P78363	2
<b>ABCA6</b>	ATP-binding cassette sub-family A member 6	Q8N139	2
<b>ABCA12</b>	Glucosylceramide transporter ABCA12	Q86UK0	2
<b>ABCB1</b>	ATP-dependent translocase ABCB1	P08183	1
<b>ABCB6</b>	ATP-binding cassette sub-family B member 6	Q9NP58	2
<b>ABCB9</b>	ABC-type oligopeptide transporter ABCB9	Q9NP78	2
<b>ABCB11</b>	Bile salt export pump	Q95342	3
<b>ABCC3</b>	ATP-binding cassette sub-family C member 3	Q15438	2
<b>ABCC5</b>	ATP-binding cassette sub-family C member 5	Q15440	2
<b>ABCC6</b>	ATP-binding cassette sub-family C member 6	Q95255	Inquire
<b>ABCC8</b>	Familial hyper-insulinemic hypoglycemia	Q09428	2
<b>ABCC9</b>	ATP-binding cassette sub-family C member 9	Q60706	Inquire
<b>ABCD1</b>	ATP-binding cassette sub-family D member 1	P33897	Inquire
<b>ABCD3</b>	ATP-binding cassette sub-family D member 3	P28288	2
<b>ABCD4</b>	Lysosomal cobalamin transporter ABCD4	Q14678	2
<b>ABCG2</b>	Broad substrate specificity ATP-binding cassette transporter ABCG2	Q9UNQ0	2

Target	Full Name	Members	UniProt IDs	Comp.
<b>Sterolin</b>	Sterolin receptor	ABCG5 / ABCG8	Q9H222 / Q9H221	Inquire
<b>TAP</b>	TAP complex	TAP1 / TAP2	Q03518 / Q03519	Inquire










## Aquaporin

Target	Full Name	UniProt	Complexity
<b>AQP1</b>	Aquaporin-1	P29972	1
<b>AQP2</b>	Aquaporin-2	P41181	2
<b>AQP3</b>	Aquaporin-3	Q92482	3
<b>AQP4</b>	Aquaporin-4	P55087	1










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Target	Full Name	UniProt	Complexity
AQP5	Aquaporin-5	P55064	2 
AQP6	Aquaporin-6	Q13520	3 
AQP7	Aquaporin-7	O14520	1 
AQP8	Aquaporin-8	O94778	2 
AQP9	Aquaporin-9	O43315	2 
AQP10	Aquaporin-10	Q96PS8	2 
AQP11	Aquaporin-11	Q8NBQ7	2 
AQP12A	Aquaporin-12A	Q8IXF9	2 

## Claudins

Target	Full Name	UniProt	Complexity
CLDN1	Claudin-1	O95832	1 
CLDN2	Claudin-2	P57739	2 
CLDN3	Claudin-3	O15551	2 
CLDN4	Claudin-4	O14493	2 
CLDN6	Claudin-6	P56747	2 
CLDN7	Claudin-7	O95471	2 
CLDN9	Claudin-9	O95484	1 
CLDN18.1	Claudin-18.1	P56856-1	2 
CLDN18.2	Claudin 18.2	P56856-2	2 

## GPCR

Target	Full Name	UniProt	Complexity
ACKR1	Atypical chemokine receptor 1	Q16570	2 
ACKR2	Atypical chemokine receptor 2	O00590	2 
ACKR4	Atypical chemokine receptor 4	Q9NPB9	2 
ADORA2A	Adenosine receptor A2a	P29274	2 
ADRB1	Beta-1 adrenergic receptor	P08588	2 
ADRB2	Beta-2 adrenergic receptor	P07550	2 
AVPR1B	Vasopressin V1b receptor	P47901	2 
CB1	Cannabinoid receptor 1	P21554	2 
CB2	Cannabinoid receptor 2	P34972	2 

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Target	Full Name	UniProt	Complexity
CCR4	C-C chemokine receptor type 4	P51679	2
CCR5	C-C chemokine receptor type 5	P51681	2
CCR8	C-C chemokine receptor type 8	P51685	3
CCRL2	C-C chemokine receptor-like 2	000421	2
CXCR3	C-X-C chemokine receptor type 3	P49682	2
CXCR4	C-X-C chemokine receptor type 4	P61073	2
DRD1	D(1A) dopamine receptor	P21728	2
DRD2	D(2) dopamine receptor	P14416	2
FZD1	Frizzled-1	Q9UP38	2
GCGR	Glucagon receptor	P47871	1
GIPR	Gastric inhibitory polypeptide receptor	P48546	2
GLP1R	Glucagon-like peptide 1 receptor	P43220	2
GLP2R	Glucagon-like peptide 2 receptor	095838	2
GPRC5D	G-protein coupled receptor family C group 5 member D	Q9NZD1	2
HTR7	5-hydroxytryptamine receptor 7	P34969	2
MC4R	Melanocortin receptor 4	P32245	2
NTSR1	Neurotensin receptor type 1	P30989	2
OPRK1	Kappa-type opioid receptor	P41145	2
OPRL1	Nociceptin receptor	P41146	2
OPRM1	Mu-type opioid receptor	P35372	2
P2RY11	P2Y purinoreceptor 11	Q96G91	2
PTAFR	Platelet-activating factor receptor	P25105	2
S1PR4	Sphingosine 1-phosphate receptor 4	095977	2
TGR5	G-protein coupled bile acid receptor 1	Q8TDU6	2
TSHR	Thyrotropin receptor	P16473	2
XCR1	Chemokine XC receptor 1	P46094	2

Target	Full Name	Members	UniProt IDs	Comp.
CGRPR	Calcitonin gene-related peptide receptor	CALCRL / RAMP1	Q16602 / 060894	Inquire
AM <sub>1</sub> R	Adrenomedullin 1 receptor	CALCRL / RAMP2	Q16602 / 060895	Inquire
AM <sub>2</sub> R	Adrenomedullin 2 receptor	CALCRL / RAMP3	Q16602 / 060896	Inquire
AMY <sub>1</sub> R	Amylin 1 receptor	CALCR / RAMP1	P30988 / 060894	Inquire
AMY <sub>2</sub> R	Amylin 2 receptor	CALCR / RAMP2	P30988 / 060895	Inquire

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Target	Full Name	Members	UniProt IDs	Comp.
<b>AMY<sub>3</sub>R</b>	Amylin 3 receptor	CALCR / RAMP3	P30988 / 060896	3

## Ion channel




Target	Full Name	UniProt	Complexity
<b>KCNA3</b>	Potassium channel Kv1.3	P22001	2
<b>KCNH2/hERG</b>	Potassium voltage-gated channel subfamily H member 2	Q12809	3
<b>MCOLN1</b>	Mucolipin-1	Q9GZU1	1
<b>MCOLN3</b>	Mucolipin-3	Q8TDD5	1
<b>P2RX4</b>	P2X purinoceptor 4 WT	Q99571	2
<b>P2RX7</b>	P2X purinoceptor 7	Q99572	3
<b>TMEM175</b>	Endosomal/lysosomal proton channel TMEM175	Q9BSA9	2
<b>TRPC1</b>	Short transient receptor potential channel 1	P48995	2
<b>TRPC4</b>	Short transient receptor potential channel 4	Q9UBN4	2
<b>TRPV1</b>	Transient receptor potential cation channel subfamily V member 1	Q8NER1	Inquire

Target	Full Name	Members	UniProt IDs	Comp.
<b>Cav1.1</b>	Voltage-gated calcium channel Cav1.1	CACNA1S / CACNA2D1 / CACNB1 / CACNG1	Q13698 / P54289 / Q02641 / Q06432	Inquire
<b>CIC-7</b>	Chlorid channel 7	CLCN7 / OSTM1	P51798 / Q86WC4	Inquire
<b>Nav1.1-β<sub>1</sub>-β<sub>2</sub></b>	Voltage-gated sodium channel Nav1.1	SCN1A / SCN1B / SCN2B	P35498 / Q07699 / 060939	Inquire
<b>Nav1.2-β<sub>1</sub>-β<sub>2</sub></b>	Voltage-gated sodium channel Nav1.2	SCN2A / SCN1B / SCN2B	Q99250 / Q07699 / 060939	Inquire
<b>Nav1.3-β<sub>1</sub>-β<sub>2</sub></b>	Voltage-gated sodium channel Nav1.3	SCN3A / SCN1B / SCN2B	Q9NY46 / Q07699 / 060939	Inquire
<b>Nav1.4-β<sub>1</sub>-β<sub>2</sub></b>	Voltage-gated sodium channel Nav1.4	SCN4A / SCN1B / SCN2B	P35499 / Q07699 / 060939	Inquire
<b>Nav1.5-β<sub>1</sub>-β<sub>2</sub></b>	Voltage-gated sodium channel Nav1.5	SCN5A / SCN1B / SCN2B	Q14524 / Q07699 / 060939	Inquire
<b>Nav1.7-β<sub>1</sub>-β<sub>2</sub></b>	Voltage-gated sodium channel Nav1.7	SCN9A / SCN1B / SCN2B	Q15858 / Q07699 / 060939	Inquire
<b>Nav1.8-β<sub>1</sub>-β<sub>2</sub></b>	Voltage-gated sodium channel Nav1.8	SCN10A / SCN1B / SCN2B	Q9Y5Y9 / Q07699 / 060939	Inquire
















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Target	Full Name	Members	UniProt IDs	Comp.
<b>Nav1.9-<math>\beta_1</math>-<math>\beta_2</math></b>	Voltage-gated sodium channel Nav1.9	SCN11A / SCN1B / SCN2B	Q9UI33 / Q07699 / 060939	Inquire 

## Integrins

Target	Full Name	Members	UniProt IDs	Comp.
$\alpha_1\beta_1$	Integrin $\alpha_1\beta_1$	ITGA1 / ITGB1	P56199 / P05556	3 
$\alpha_3\beta_1$	Integrin $\alpha_3\beta_1$	ITGA3 / ITGB1	P26006 / P05556	Inquire 
$\alpha_4\beta_1$	Integrin $\alpha_4\beta_1$	ITGA4 / ITGB1	P13612 / P05556	Inquire 
$\alpha_6\beta_1$	Integrin $\alpha_6\beta_1$	ITGA6 / ITGB1	P23229 / P05556	Inquire 
$\alpha_6\beta_4$	Integrin $\alpha_6\beta_4$	ITGA6 / ITGB4	P23229 / P16144	Inquire 
$\alpha_L\beta_2$	Integrin $\alpha_L\beta_2$	ITGAL / ITGB2	P20701 / P05107	Inquire 
$\alpha_V\beta_1$	Integrin $\alpha_V\beta_1$	ITGAV / ITGB3	P06756 / P05556	3 
$\alpha_V\beta_3$	Integrin $\alpha_V\beta_3$	ITGAV / ITGB3	P06756 / P05106	2 

## Receptor

Target	Full Name	UniProt	Complexity
<b>AGER</b>	Advanced glycosylation end product-specific receptor	Q15109	Inquire 
<b>APP</b>	Amyloid-beta precursor protein	P05067	Inquire 
<b>CD4</b>	T-cell surface glycoprotein CD4	P01730	1 
<b>CD19</b>	B-lymphocyte antigen CD19	P15391	Inquire 
<b>CD20</b>	B-lymphocyte antigen CD20	P11836	1 
<b>CD68</b>	Macrosialin	P34810	2 
<b>CD163</b>	Scavenger Receptor A (SRA)_CD163	Q86VB7	2 
<b>CTLA4</b>	Cytotoxic T-lymphocyte protein 4	P16410	2 
<b>EGFR</b>	Epidermal growth factor receptor	P00533	2 
<b>ERBB2</b>	Receptor tyrosine-protein kinase erbB-2	P04626	3 
<b>ERBB3</b>	Receptor tyrosine-protein kinase erbB-3	P21860	3 
<b>FAS</b>	Tumor necrosis factor receptor superfamily member 6	P25445	3 
<b>hPD1</b>	Programmed cell death protein 1	Q15116	Inquire 
<b>ITM2B</b>	Integral membrane protein 2B	Q9Y287	Inquire 
<b>LAMP1</b>	Lysosome-associated membrane glycoprotein 1	P11279	1 

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Target	Full Name	UniProt	Complexity
LAMP2	Lysosome-associated membrane glycoprotein 2	P13473	2
LAMP3	Lysosome-associated membrane glycoprotein 3	Q9UQV4	3
LDLR	Low-density lipoprotein receptor	P01130	Inquire
LPAR3	Lysophosphatidic acid receptor 3	Q9UBY5	Inquire
MRC1	Macrophage mannose receptor 1	P22897	1
PRLR	Prolactin receptor	P16471	Inquire
SV2A	Synaptic vesicle glycoprotein 2A	Q7L0J3	2
TFR2	Transferrin receptor protein 2	Q9UP52	Inquire
TLR4	Toll-like receptor 4	O00206	Inquire
TLR5	Toll-like receptor 5	O60602	2
TLR7	Toll-like receptor 7	Q9NYK1	Inquire
TLR8	Toll-like receptor 8	Q9NR97	Inquire
TLR9	Toll-like receptor 9	Q9NR96	Inquire
TNFRSF1A	Tumor necrosis factor receptor superfamily member 1A	P19438	Inquire
TNFRSF1B	Tumor necrosis factor receptor superfamily member 1B	P20333	Inquire
TREM2	Triggering receptor expressed on myeloid cells 2	Q9NZC2	2
TYROBP/DAP12	TYRO protein tyrosine kinase-binding protein	O43914	2

Target	Full Name	Members	UniProt IDs	Comp.
EGFR-HER2	EGFR/HER2 heterodimer	EGFR / ERBB2	P00533 / P04626	3
EGFR-HER3	EGFR/HER3 heterodimer	EGFR / ERBB3	P00533 / P02186	3
FAS-FASL	Fas:FasL complex	FAS / FASLG	P25445 / P48023	3
HER2-HER3	HER2/HER3 heterodimer	ERBB2 / ERBB3	P04626 / P02186	3
IL17RA-IL17RB	Interleukin 17E receptor	IL17RA / IL17RB	Q96F46 / Q9NRM6	Inquire
IL17RA-IL17RC	Interleukin 17A and 17F receptor	IL17RA / IL17RC	Q96F46 / Q8NAC3	Inquire
IL17RA-IL17RD	Interleukin 17A receptor	IL17RA / IL17RD	Q96F46 / Q8NFM7	Inquire
IL17RA-IL17RE	Interleukin 17C receptor	IL17RA / IL17RE	Q96F46 / Q8NFR9	Inquire
PD1-PDL1	hPD-1:hPD-L1 complex	PD-1 / PD-L1	Q15116 / Q9NZQ7	Inquire

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Target	Full Name	Members	UniProt IDs	Comp.
<b>TREM2-TYROBP</b>	TREM2-TYROBP complex	TREM2 / DAP12	Q9NZC2 / 043914	3

## SLC transporter

Target	Full Name	UniProt	Complexity
<b>SLC1A4</b>	Neutral amino acid transporter A	P43007	2
<b>SLC1A5</b>	Neutral amino acid transporter B(0)	Q15758	Inquire
<b>SLC1A6</b>	Excitatory amino acid transporter 4	P48664	2
<b>SLC1A7</b>	Excitatory amino acid transporter 5	O00341	Inquire
<b>SLC2A1</b>	Solute carrier family 2 member 1	P11166	2
<b>SLC2A2</b>	Solute carrier family 2 member 2	P11168	1
<b>SLC2A5</b>	Solute carrier family 2 member 5	P22732	Inquire
<b>SLC2A9</b>	Solute carrier family 2 member 9	Q9NRM0	Inquire
<b>SLC2A10</b>	Solute carrier family 2, facilitated glucose transporter member 10	O95528	Inquire
<b>SLC4A7</b>	Sodium bicarbonate cotransporter 3	Q9Y6M7	Inquire
<b>SLC6A4</b>	Sodium-dependent serotonin transporter	P31645	3
<b>SLC6A14</b>	Sodium- and chloride-dependent transporter	Q9UN76	Inquire
<b>SLC10A1 NTCP</b>	Hepatic sodium/bile acid cotransporter	Q14973	2
<b>SLC10A4</b>	Sodium/bile acid cotransporter 4	Q96EP9	Inquire
<b>SLC11A1</b>	Natural resistance-associated macrophage protein 1	P49279	Inquire
<b>SLC15A4</b>	Solute carrier family 15 member 4	Q8N697	1
<b>SLC16A4</b>	Monocarboxylate transporter 5	O15374	Inquire
<b>SLC17A3</b>	Sodium-dependent phosphate transport protein 4	O00476	Inquire
<b>SLC17A6</b>	Vesicular glutamate transporter 2	Q9P2U8	2
<b>SLC20A2</b>	Excitatory amino acid transporter 5	Q08357	2
<b>SLC22A4</b>	Solute carrier family 22 member 4	Q9H015	Inquire
<b>SLC24A4</b>	Sodium/potassium/calcium exchanger 4	Q8NFF2	Inquire
<b>SLC25A4</b>	ADP/ATP translocase 1	P12235	2
<b>UCP1</b>	Mitochondrial brown fat uncoupling protein 1	P25874	2
<b>SLC25A11</b>	Mitochondrial 2-oxoglutarate/malate carrier protein	Q02978	1
<b>SLC25A15</b>	Mitochondrial ornithine transporter 1	Q9Y619	2
<b>SLC25A20</b>	Mitochondrial carnitine/acylcarnitine carrier protein	O43772	Inquire
<b>SLC25A33</b>	Solute carrier family 25 member 33	Q9BSK2	1

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Target	Full Name	UniProt	Complexity
SLC25A37	Mitoferrin-1	Q9NYZ2	2
SLC25A39	Mitochondrial glutathione transporter SLC25A39	Q9BZJ4	Inquire
SLC25A46	Mitochondrial outer membrane protein SLC25A46	Q96AG3	Inquire
SLC29A2	Equilibrative nucleoside transporter 2	Q14542	Inquire
SLC30A2	Proton-coupled zinc antiporter	Q9BRI3	1
SLC33A1	Acetyl-coenzyme A transporter 1	O00400	Inquire
SLC34A1	Sodium-dependent phosphate transport protein 2A	Q06495	Inquire
SLC35A2	UDP-galactose translocator	P78381	Inquire
SLC37A4	Glucose-6-phosphate exchanger SLC37A4	O43826	Inquire
SLC38A1	Sodium-coupled neutral amino acid symporter 1	Q9H2H9	Inquire
SLC38A2	Sodium-coupled neutral amino acid symporter 2	Q96QD8	Inquire
SLC38A5	Sodium-coupled neutral amino acid transporter 5	Q8WUX1	Inquire
SLC41A1	Solute carrier family 41 member 1	Q8IVJ1	Inquire
SLC46A1	Proton-coupled folate transporter	Q96NT5	2
SLC52A1	Solute carrier family 52 member 1	Q9NWF4	Inquire
SLC52A3	Solute carrier family 52 member 3	Q9NQ40	Inquire








Target	Full Name	Members	UniProt IDs	Comp.
OSTA-OSTB	Organic Solute Transporter $\alpha$ - $\beta$	SLC51A / SLC51B	Q86UW1 / Q86UW2	Inquire
SLGT2-MAP17	SGLT2-MAP17 glucose transporter	SGLT2 / MAP17	P31639 / Q13113	Inquire

## Tetraspanin

Target	Full Name	UniProt	Complexity
CD9	CD9 antigen	P21926	1
CD37	Leukocyte antigen CD37	P11049	3
CD81	CD81 antigen	P60033	Inquire
CD151	CD151 antigen	P48509	1
CLRN1	Clarin-1	P58418	Inquire
PMP22/GAS3	Peripheral myelin protein 22	Q01453	2
TSPAN8	Tetraspanin-8	P19075	2

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## Others

Target	Full Name	UniProt	Complexity
<b>CX3CL1</b>	Fractalkine	P78423	3 
<b>FURIN</b>	Furin	P09958	3 
<b>PDZK1</b>	Na(+)/H(+) exchange regulatory cofactor NHE-RF3	Q5T2W1	3 
<b>TGOLN2</b>	Trans-Golgi network integral membrane protein 2	O43493	Inquire 
<b>TMED2</b>	Transmembrane emp24 domain-containing protein 2	Q15363	3 
<b>TNF<math>\alpha</math></b>	Tumor necrosis factor	P01375	1 
<b>TNFSF15/T1L</b>	Tumor necrosis factor ligand superfamily member 15	O95150	1 

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## Custom Protein Services

We focus on the expression of **full-length native proteins** in **mammalian expression systems**. For validation, we can use **MST**, **SPR**, or **GCI** (grating-coupled interferometry) or offer **Cryo-EM** structure solutions. After an initial production establishment, we can produce **milligram (mg) quantities** of target protein in a follow-up study.

[i Inquire About Custom Services](#)