

Human Neurotensin receptor 1 (NTSR1)

Product	Catalog No.	Package size
NTSR1 protein (10 µg)	28301-10	1 x 10 µg
NTSR1 protein (50 µg)	28301-50	5 x 10 µg

Please contact us for bulk quantities and for NTSR1 reconstituted into nanodiscs.

Product Description

Alternative names	High-affinity levocabastine-insensitive neurotensin receptor, NTRH
UniProt number	P30989
Protein class	GPCR
Organism	Human (<i>Homo sapiens</i>)
Sequence	Full-length, wildtype sequence N-terminal HA tag, N-terminal 6x His-tag , spacer , Rho1D4 tag
	MKTIIALSYIFCLVFAHHHHH RLNSSAPGT PGTPAADPFQ RAQAGLEEAL LAPGFGNASG NASERVLAAP SSELVDNTDI YSKVLVTAVY LALFVVGTVG NTVTAFTLAR KKSLQSLQST VHYHLGSLAL SDLLTLLAM PVELYNFIWV HHPWAFGDAG CRGYFLRDA CTYATALNVA SLSVERYLAI CHPFKAKTLM SRSRTKKFIS AIWLASALLA VPMLFTMGEQ NRSADGQHAG GLVCTPTIHT ATVKVVIQVN TFMSFIFPMV VISVLNTIIA NKLTVMVRQA AEQGQVCTVG GEHSTFSMAI EPGRVQALRH GVRVLRVVI AFVVCWLPYH VRLMFCYIS DEQWTPFLYD FYHYFYMVTN ALFYVSSTIN PILYNLVSAN FRHIFLATLA CLCPVWRRRR KRPAFSRKAD SVSSNHTLSS NATRETLY GSSGTETSQVAPA
Affinity tags	N-terminal His / C-terminal Rho1D4
Size (excluding signal sequence)	436 amino acids 48,130 Da
Function	Receptor for neurotensin. Involved in hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion.

Quality Control

Purity (SDS-PAGE)	>95% as determined by SDS-PAGE, see Fig. 1
Homogeneity	Size exclusion chromatography
Activity	not determined

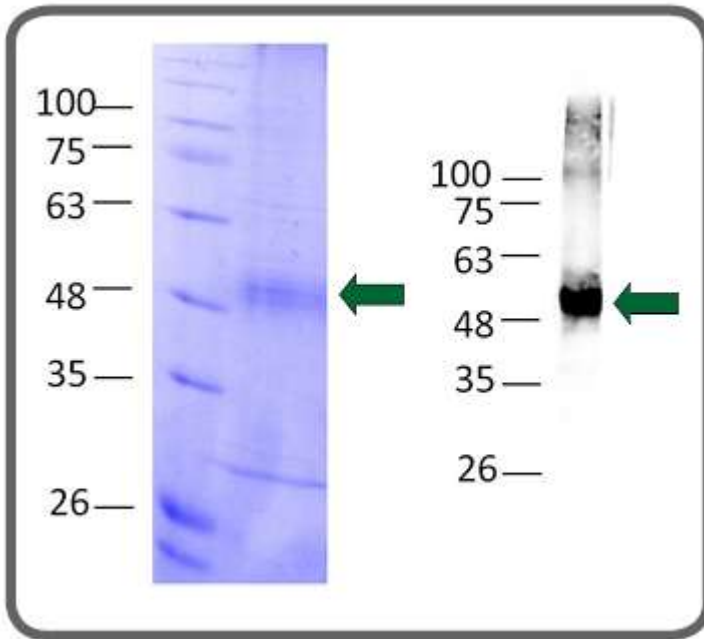


Fig. 1: Size and purity of NTSR1 assessed by SDS-PAGE and Western Blot using a Rho1D4 antibody.

Preparation:

Expression system	Sf9 (Baculovirus)
Purification	PureCube Rho1D4 Agarose
Buffer	20 mM HEPES pH 8.0, 200 mM NaCl, 10% Glycerol, 0.1% n-Decyl-beta-maltoside; 0.01% cholesterolhemisuccinate; 0.01% CHAPSO
Form	Liquid

Applications

- SDS-PAGE
- Western Blot
- Ligand binding assays (e.g. SPR)
- Protein Crystallization
- Biochemical and biophysical analyses

Shipping & Storage

Shipping conditions	Dry ice
Storage conditions	-80°C. Avoid freeze-thaw cycles

Disclaimer: Our products are intended for molecular biology applications. These products are not intended for the diagnosis, prevention, or treatment of a disease.

Proteins are our passion.