

SARS CoV-2 full-length Spike B.1.621 “Mu” Mutation

Product	Catalog No.	Package size
CoV-2 Spike B.1.621 Mutation (25 µg)	28747	25 µg
CoV-2 Spike B.1.621 Mutation (100 µg)	28748	4 x 25 µg
CoV-2 Spike B.1.621 Mutation (500 µg)	28749	500 µg

Please contact us for bulk quantities and for SARS CoV-2 spike protein reconstituted into nanodiscs.

Product Description

Alternative names	SPIKE_SARS2 Spike glycoprotein
UniProt number	PODTC2
Protein class	Single span transmembrane protein
Organism	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Sequence	Full-length sequence (aa 1 – 1273), T95I, Y144S, Y145N, R346K, E484K, N501Y, D614G, P681H, D950N furin cleavage site “RRAR” mutated to “GSAG”; KV986PP C-terminal Rho1D4 tag fused with spacer “GSSG” to protein sequence
Affinity tag	C-terminal Rho1D4
Expression Host	Hek293 Expi cells
Size	1286 amino acids (including Rho1D4 tag and linker) 141969 Da
Buffer composition	20 mM Hepes pH 7.5; 150 mM NaCl, 0.001 % LMNG
Function	host cell surface receptor binding; fusion of virus membrane with host endosome membrane

Quality Control

Purity (SDS-PAGE)	>98% as determined by SDS-PAGE, see Fig. 1
Activity	not determined

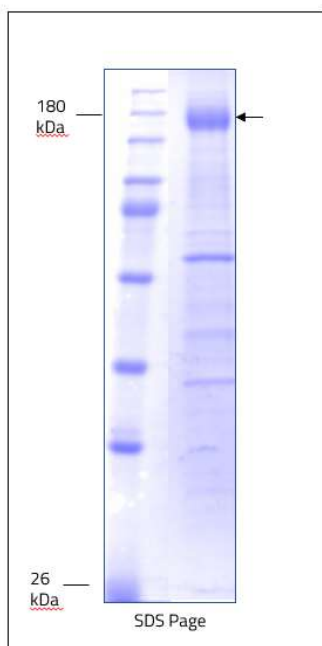


Fig. 1: Size and purity of CoV-2 spike protein assessed by SDS-PAGE

Preparation:

Expression system	Hek293 Expi cells
Purification	PureCube Rho1D4 Agarose
Buffer	20 mM HEPES pH 7.5, 150 mM NaCl, 0.001 % LMNG
Form	Liquid

Applications

- ELISA assays
- Ligand binding assays (e.g. SPR)
- 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.