

SARS CoV-2 full-length Spike B.1.1.7 Mutation

Lot.No.: 28716-3032-024 mg/ml

Product	Catalog No.	Package size
CoV-2 Spike B.1.1.7 Mutation (25 µg)	28716	25 µg
CoV-2 Spike B.1.1.7 Mutation (100 µg)	28717	4 x 25 µg
CoV-2 Spike B.1.1.7 Mutation (500 µg)	28718	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), del 69, del 70, del 144, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H 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) 142114 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 A and B
Activity	not determined

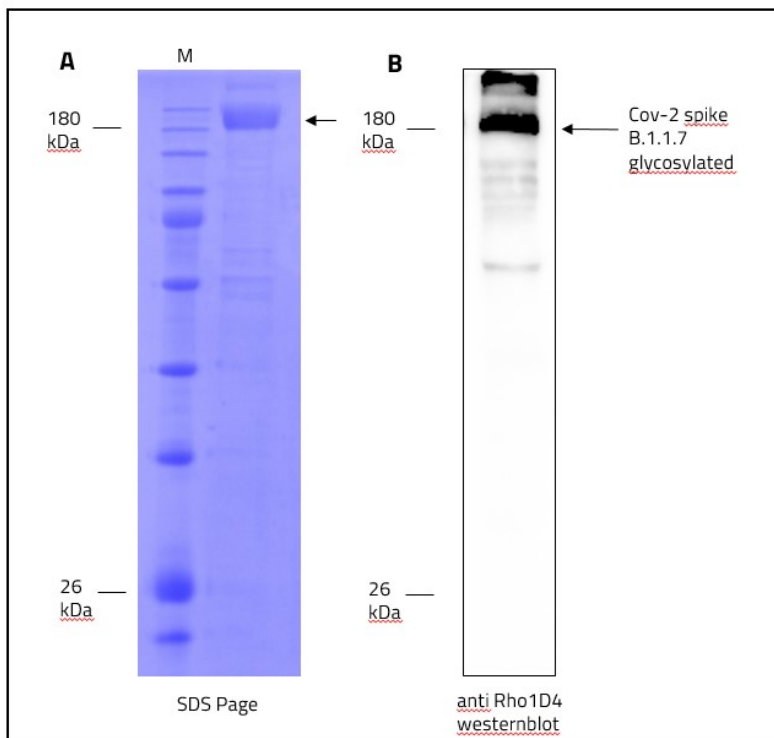


Fig. 1: Size, purity and oligomerization state of CoV-2 spike protein assessed by SDS-PAGE, Western Blot using a Rho1D4 antibody.

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.