

Full length SARS CoV-2 Spike Protein in DIBMA Glycerol

Product	Catalog No.	Package size
CoV-2 spike protein in DIBMA Glycerol (25 µg)	28706	1 x 25 µg
CoV-2 spike protein in DIBMA Glycerol (100 µg)	28707	4 x 25 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), furin cleavage site "RRAR" mutated to "GSAG"; 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, buffer does not contain free DIBMA Glycerol (DIBMA: Diisobutylene-maleic acid)
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
Homogeneity	Native Gel, see Fig. 1 C
Activity	not determined

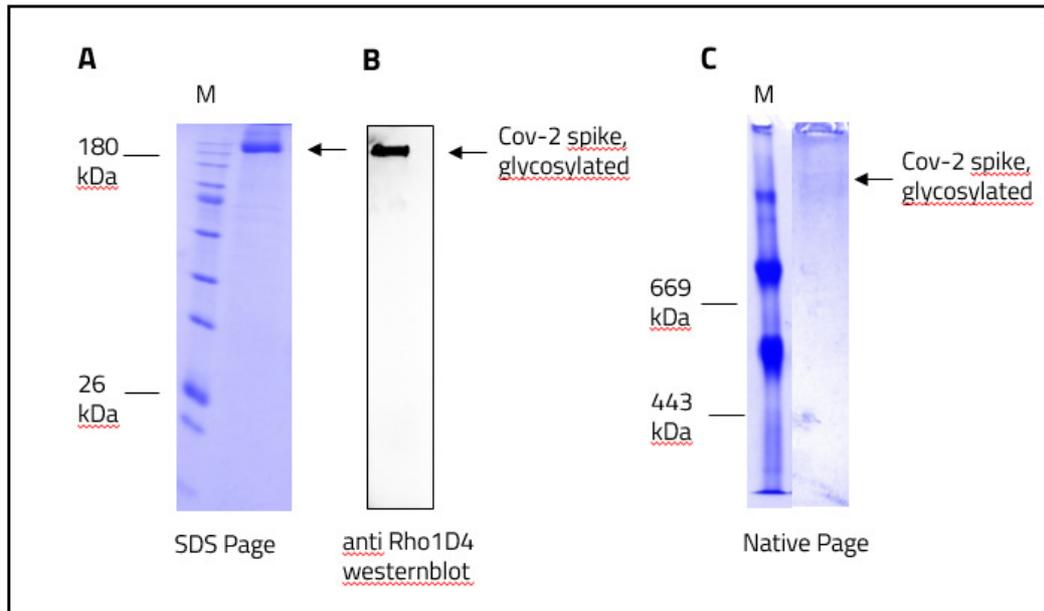


Fig. 1: Size, purity and oligomerization state of CoV-2 spike protein in DIBMA Glycerol assessed by SDS-PAGE, Western Blot using a Rho1D4 antibody and Native-PAGE.

Preparation:

Expression system	Hek293 Expi cells
Purification	PureCube Rho1D4 Agarose
Buffer	20 mM HEPES pH 7.5, 150 mM NaCl
Stabilization agent	DIBMA Glycerol was used for solubilization and stabilization, buffer does not contain free DIBMA Glycerol (DIBMA: Diisobutylene-maleic acid)
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.