

Spike Protein S1

Catalog # PVGS1604

Product Information

Primary Accession Species	P0DTC2 SARS-CoV-2
Sequence	Gln14-Arg685 (W152C, L452R, D614G)
Purity	> 90% as analyzed by SDS-PAGE
Endotoxin Level	
Biological Activity	This protein is validated to bind with human ACE2 in functional ELISA assay.
Expression System	CHO
Theoretical Molecular Weight	75.7 kDa
Formulation	Supplied as a solution in PBS, pH 7.4.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -20°C or below. Please avoid repeated freeze-thaw cycles.

Additional Information

Other Names	Spike glycoprotein {ECO:0000255 HAMAP-Rule:MF_04099}, S glycoprotein {ECO:0000255 HAMAP-Rule:MF_04099}, E2 {ECO:0000255 HAMAP-Rule:MF_04099}, Peplomer protein {ECO:0000255 HAMAP-Rule:MF_04099}, Spike protein S1 {ECO:0000255 HAMAP-Rule:MF_04099}, Spike protein S2 {ECO:0000255 HAMAP-Rule:MF_04099}, Spike protein S2' {ECO:0000255 HAMAP-Rule:MF_04099}, S {ECO:0000255 HAMAP-Rule:MF_04099}
Target Background	SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. Lineage B.1.429, also known as CAL.20C, with S13I, W152C, L452R mutations in the spike proteins, of which the L452R was of particular concern. B.1.429 is possibly more transmissible, but further study is necessary to confirm this. CDC has listed B.1.429 and the related B.1.427 as "variants of concern," and cites a preprint for saying that they exhibit a ~20% increase in viral transmissibility.

Protein Information

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.