SARS-CoV-2 Trimeric Spike Glycoprotein

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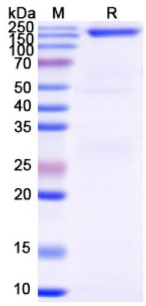

SDS-PAGE analysis of SARS-CoV-2 Trimeric Spike Glycoprotein.

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Trimeric Spike Glycoprotein is a recombinant protein expressed in Mammalian cells.

The SARS-CoV-2 Spike Glycoprotein (S protein) is a viral protein that allows the entry of SARS-CoV-2 into Human cells. The protein forms trimers on the viral capsid and binds to human Angiotensin Converting Enzyme 2 (ACE2) located on the cell surface. The protein has a cleavage site between the Spike Protein and S2 subunits that is targeted by the human enzyme Furin, and it may also cause the development of a syncytium (cell fusion). Antibodies to S protein can prevent viral entry as well as target the virus for further immune action.

Target:	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Trimeric Spike Glycoprotein
Origin:	Virus
Expression:	Recombinant
Tested Applications:	ELISA, WB, SDS-PAGE
Host:	Mammalian cells
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Form:	Lyophilized
Purity:	> 90% (SDS-PAGE)
Reconstitution:	Reconstitute in sterile water to produce a stock solution.
Storage:	Store at 2-8 °C for short-term storage. For long-term storage, store between -20 °C and -80 °C for up to one year. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P0DTC2 (UniProt, ExPASy)

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Gene Symbol:	S
NCBI Accession:	YP_009724390
Molecular Weight:	Calculated MW: 140.15 kDa
Sequence Fragment:	Gln14-Gln1208
Tag:	C-terminal His tag
Buffer:	Prior to lyophilization: PBS, pH 7.4, containing 1 mM EDTA, 4% Trehalose, 1% Mannitol.
Specificity:	Recognizes SARS-CoV-2 Spike glycoprotein
Concentration:	Prior to lyophilization: 0.79 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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