

## SARS-CoV-2 S Protein (Omicron, B.1.1.529, His)

Cat. No.:	HY-P74444
Synonyms:	SARS-CoV-2 Protein; SARS-CoV-2 Spike Protein
Species:	Virus
Source:	HEK293
Accession:	YP_009724390.1 (variant B.1.1.529)
Gene ID:	43740568
Molecular Weight:	Approximately 136.67 kDa

### PROPERTIES

Biological Activity	Immobilized human ACE2-Fc at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 S Protein (Omicron, B.1.1.529, His) and the EC <sub>50</sub> is 4-15 ng/mL.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 25 mM sodium citrate, 200 mM NaCl, 0.02% tween 80, pH 6.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	<p>SARS-Cov-2 is a enveloped positive-sense single-stranded RNA virus that causes COVID-19.</p> <p>SARS-CoV-2 possesses four structural proteins, namely the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M), and nucleocapsid protein (N).</p> <p>The SARS-Cov-2 S glycoprotein is located on the exterior of the viral particle, giving the coronavirus its crown-like appearance.</p> <p>The SARS-Cov-2 S glycoprotein can mediate the attachment and entry of viral particles into host cells and is an important target for vaccine development, antibody therapy, and antigen-based diagnostic esting<sup>[1][2][3][4][5]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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