

SARS-COV-2 S1 Protein (N501Y, K417N, E484K, HEK293, His)

Cat. No.:	HY-P78279
Synonyms:	S1 protein; Spike protein S1; Spike,S1 protein; S glycoprotein Subunit1
Species:	Virus
Source:	HEK293
Accession:	YP_009724390 (V16-R685, N501Y, K417N, E484K)
Gene ID:	43740568
Molecular Weight:	90-130 kDa

PROPERTIES

Biological Activity	Immobilized SARS-COV-2 Spike S1 (N501Y,K417N,E484K) , His Tag at 0.5µg/ml (100ul/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC ₅₀ of 0.02µg/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
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^{[1][2][3][4][5]}.</p>
------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA