



Certificate of Analysis

SARS-CoV-2 S glycoprotein (HEK293, His-mFc)

Cat. No.:	HY-P72038
Batch No.:	241635
Species:	Virus
Source:	HEK293
Tag:	C-mFc;C-6*His
Accession:	P0DTC2 (R319-F541)
Gene ID:	43740568
Molecular Weight:	Approximately 66.0 kDa. The reducing (R) protein migrates as 66 kDa in SDS-PAGE may be due to glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human ACE2 at 0.38147-50000 μg/mL can bind SARS-CoV-2-S1-RBD at 0.2 μg/well, the EC ₅₀ of SARS-CoV-2-S1-RBD protein is 26.45-45.47 ng/mL.	26.45-45.47 ng/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

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