



Certificate of Analysis

SARS-CoV-2 S Protein RBD (194a.a, HEK293, C-His)

Cat. No.:	HY-P7431A
Batch No.:	264515
Species:	Virus
Source:	HEK293
Tag:	C-6*His
Accession:	QHD43416.1 (N331-V524)
Gene ID:	43740568
Molecular Weight:	Approximately 31.9 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Mouse SARS-CoV-2 S1, at 2 μg/mL (100 μL/well) can bind Biotinylated ACE2 protein. The ED ₅₀ for this effect is 40.46 ng/mL, corresponding to a specific activity is 2.47×10 ⁵ Unit/mg.	40.46 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C. 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.

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