

Recombinant SARS-COV-2 Spike S1 (Omicron BA.4/BA.5/BA.5.2) protein, His-tagged

Cat. No. Spike-1592V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-COV-2 Spike S1 (Omicron BA.4/BA.5/BA.5.2) protein(QHD43416.1)(Gln14-Arg683(T19I, L24S, PPA25-27del, HV69-70del, G142D, V213G, G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, L452R, S477N, T478K, E484A, F486V, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H)), fused with C-terminal His tag, was expressed in HEK293.
Species	SARS-COV-2
Source	HEK293
ProteinLength	14-683 aa
Form	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized SARS-CoV-2 Spike S1 (Omicron BA.4/BA.5/BA.5.2), His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 27.0ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 75.76 kDa. Due to glycosylation, the protein migrates to 100-120 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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Storage Valid for 12 months from date of receipt when stored at -80°C.;Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol S

Synonyms Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1

Gene ID 43740568

Protein Refseq YP_009724390

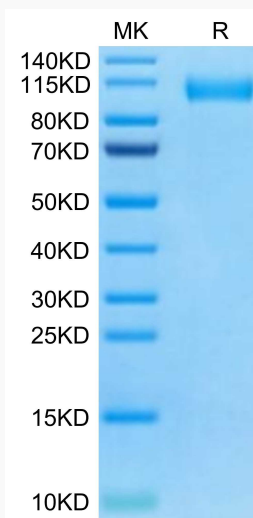
UniProt ID P0DTC2

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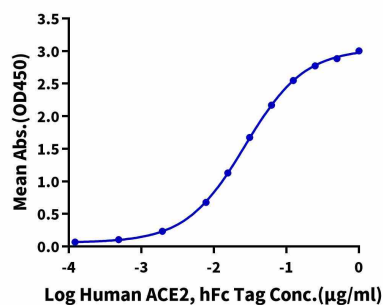
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Tris-Bis PAGE



ELISA

SARS-CoV-2 Spike S1 (Omicron BA.4/BA.5), His Tag ELISA
0.5µg SARS-CoV-2 Spike S1 (Omicron BA.4/BA.5), His Tag Per Well



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