

## Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.75) protein, His-tagged

Cat. No. Spike-1604V Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.75) protein(QHD43416.1)(Arg319-Phe541(G339H, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, G446S, N460K, S477N, T478K, E484A, Q498R, N501Y, Y505H)), fused with C-terminal His tag, was expressed in HEK293.
<b>Species</b>	SARS-COV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	Arg319-Phe541(G339H, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, G446S, N460K, S477N, T478K, E484A, Q498R, N501Y, Y505H)
<b>Form</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Bio-activity</b>	Immobilized SARS-COV-2 Spike RBD (Omicron BA.2.75), His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 7.0ng/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 26.12 kDa. Due to glycosylation, the protein migrates to 35-43 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 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](#)

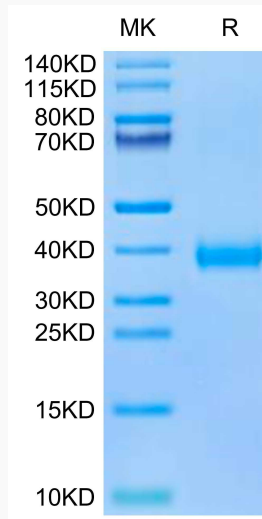
**UniProt ID** [P0DTC2](#)

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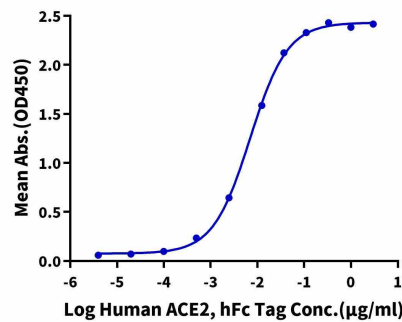
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**Tris-Bis PAGE**



**ELISA**

**SARS-COV-2 Spike RBD (Omicron BA.2.75), His Tag ELISA**  
 0.05µg SARS-COV-2 Spike RBD (Omicron BA.2.75), His Tag Per Well



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