Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.38) protein, His-tagged

Cat. No. Spike-1599V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.38) protein(QHD43416.1)(Arg319-Phe541(G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417T, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H)), fused with C-terminal His tag, was expressed in HEK293.
Species	SARS-COV-2
Source	HEK293
ProteinLength	Arg319-Phe541(G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417T, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H)
Form	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized SARS-COV-2 Spike RBD (Omicron BA.2.38), His Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 4.9ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 26.07 kDa. Due to glycosylation, the protein migrates to 35-45 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

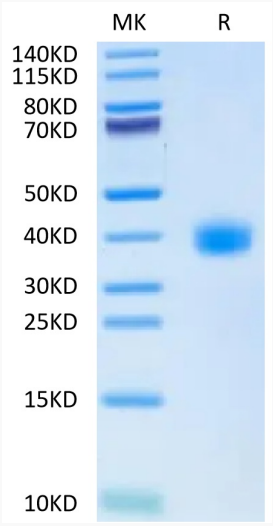
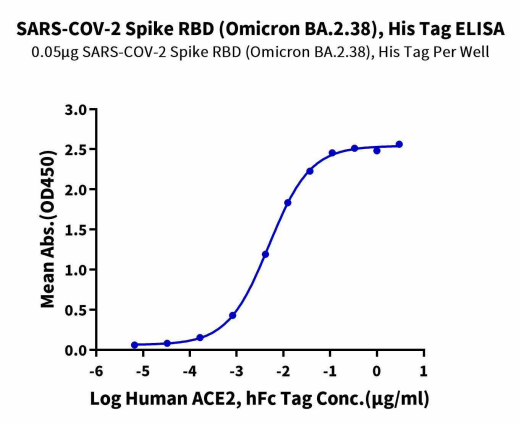
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Storage	Valid for 12 months from date of receipt when stored at -80°C.;Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added 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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Tris-Bis PAGE	
ELISA	

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