Active Recombinant SARS-CoV-2 RBD Protein, His-tagged

Cat. No. RBD-001S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant fusion protein that includes the RBD of SARS-CoV-2 Spike protein (S-Protein) and Virion Surface Domain of Membrane Protein (M-protein) with C-terminal HIS-tag was expressed in HEK293.
Species	SARS-CoV-2
Source	HEK293
Bio-activity	Binding of SARS-CoV-2 S-M Fusion Protein to Human ACE2: 2 ug/ml of SARS-CoV-2 Spike and Membrane viral fusion protein (gel insert) was immobilized on an ELISA plate and its ability to bind to Human ACE2 was measured. The EC50 was between 10-20 ng/ml.
Molecular Mass	34 kDa
AA Sequence	MALWIDRMQLLSCIALSLALVTNSAKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFN ATRFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNDLCFTNVYADSF VIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNYNYLYRLFR KSNLKPFERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL SFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKKFLGGGSGGGSM ADSNGTITVEELKKHHHHHH
Purity	> 90% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 μg/mL as determined by Bradford protein assay method.
Storage Buffer	PBS, 10% glycerol.

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