

Active Recombinant COVID-19 Spike RBD protein, His-Avi-tagged, Biotinylated

Cat. No. Spike-4723V Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Biotinylated Recombinant COVID-19 protein, fused with His and Avi tag, was expressed in HEK293. |
| Species | Sars-CoV-2 |
| Source | HEK293 |
| Form | Supplied as 0.2 µm filtered solution in 10 mM PB, pH7.4. |
| Bio-activity | Immobilized Human ACE2, Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated SARS-CoV-2 S protein RBD, His,Avitag with a linear range of 10-313 ng/mL. |
| Molecular Mass | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag)The protein has a calculated MW of 28.2 kDa. The protein migrates as 33-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| Endotoxin | Less than 1.0 EU per µg by the LAL method. |
| Purity | >95% as determined by SDS-PAGE. >90% as determined by SEC-MALS. |
| Storage | Please avoid repeated freeze-thaw cycles. This product is stable after at: The product MUST be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions. |

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| 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. |
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| Conjugation | Biotin |
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GENE INFORMATION

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| Gene Name | S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2] |
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| Official Symbol | Spike |
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| Synonyms | Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron |
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| Gene ID | 43740568 |
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| Protein Refseq | YP_009724390.1 |
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| UniProt ID | P0DTC2 |
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