

Active Recombinant COVID-19 Spike Trimer protein(BA.5/Omicron), His-Avi-tagged, Biotinylated

Cat. No. Spike-715V Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Biotinylated Recombinant COVID-19 Spike Trimer protein(BA.5/Omicron)(Val 16 - Pro 1213)(Accession # QHD43416.1(T19I, LPP24-26del, A27S, 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, N764K, D796Y, Q954H, N969K, R683A, R685A, F817P, A892P, A899P, A942P, K986P, V987P)), fused with His and Avi tag at the C-terminus, was expressed in HEK293. |
| Species | Sars-CoV-2 |
| Source | HEK293 |
| ProteinLength | Val 16 - Pro 1213 |
| Form | Lyophilized from 0.22 µm filtered solution in PBS. Normally trehalose is added as protectant before lyophilization. |
| Bio-activity | Immobilized Biotinylated SARS-CoV-2 Spike Trimer, His,Avitag (BA.5/Omicron) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human ACE2, Fc Tag with a linear range of 0.1-6 ng/mL. |
| Molecular Mass | The protein has a calculated MW of 139.5 kDa. The protein migrates as 170-200 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |

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| 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 | This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| 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. |
| Conjugation | Biotin |

GENE INFORMATION

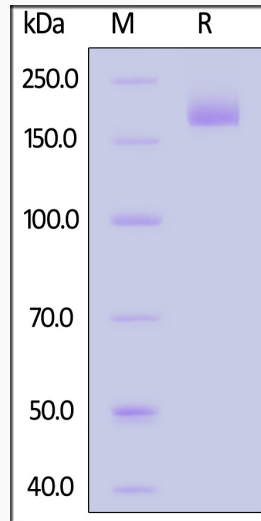
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|------------------------|---|
| Gene Name | S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2] |
| Official Symbol | Spike |
| Synonyms | Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein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

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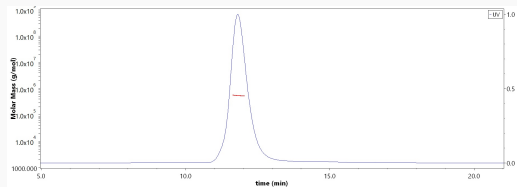
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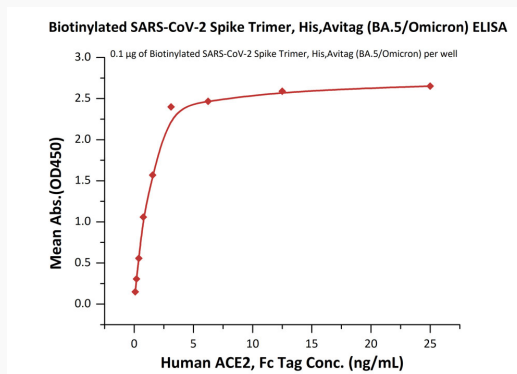
SDS-PAGE



SEC-MALS



Bioactivity-ELISA



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