# Active Recombinant COVID-19 Spike Trimer protein(BA.2/Omicron), His-tagged

**Cat. No.** Spike-738V **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant COVID-19 Spike Trimer protein(BA.2/Omicron)(Val 16 - Pro 1213)(Accession # QHD43416.1(T19I, LPP24-26del, A27S, G142D, V213G, G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K, R683A, R685A, F817P, A892P, A899P, A942P, K986P, V987P)), fused with His 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 SARS-CoV-2 Spike Trimer, His Tag (BA.2/Omicron) at 1 μg/mL (100 μL/well) can bind Human ACE2, Fc Tag with a linear range of 0.4-25 ng/mL. |
| **Molecular Mass** | The protein has a calculated MW of 138.0 kDa. The protein migrates as 160-190 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| **Endotoxin** | Less than 1.0 EU per μg by the LAL method. |

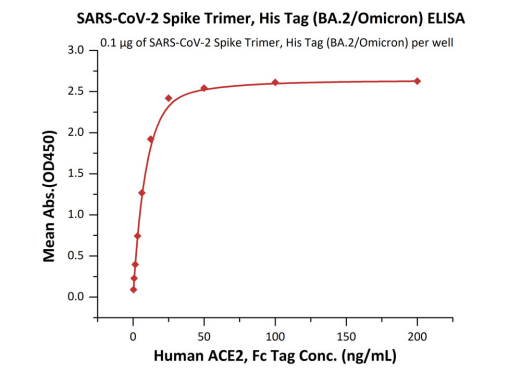
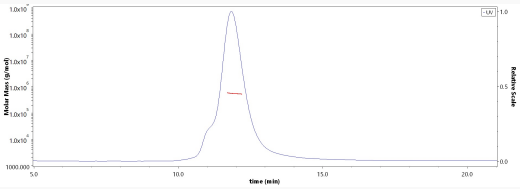
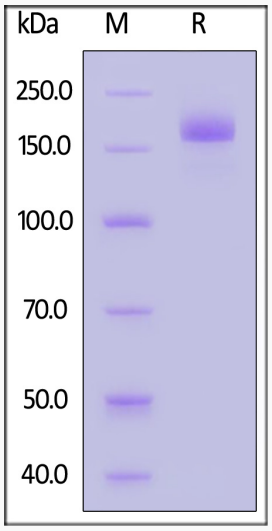
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| **Purity** | >95% as determined by SDS-PAGE.<br>>90% as determined by SEC-MALS. |
| **Storage** | This product is stable after storage at:<br>-20°C to -70°C for 12 months in lyophilized state;<br>-70°C for 3 months under sterile conditions after 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. |

## 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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| **Bioactivity-ELISA** |  |
| **SEC-MALS** |  |
| **SDS-PAGE** |  |





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