

Active Recombinant SARS-CoV-2 (2019-nCoV) Spike S1(D614G), Fc-tagged

Cat. No. S-487S Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant SARS-CoV-2 (2019-nCoV) Spike S1(D614G)-Fc Recombinant Protein (YP_009724390.1) (Val16-Arg685(D614G)) was expressed in HEK293 cell with the Fc region of human IgG1 at the C-terminus. |
| Species | SARS-CoV-2 |
| Source | HEK293 |
| ProteinLength | 16-685 |
| Predicted N Terminal | Val 16 |
| Bio-activity | Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (His tag) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike S1(D614G), ECD-Fc, the EC50 of SARS-CoV-2 (2019-nCoV) Spike S1(D614G),ECD-Fc is 40-230 ng/mL. |
| Molecular Mass | The recombinant SARS-CoV-2 (2019-nCoV) Spike S1(D614G)-Fc Recombinant Protein consists of 908 amino acids and predicts a molecular mass of 101.7 kDa. |
| Endotoxin | < 1.0 EU/µg protein as determined by the LAL method. |
| Purity | > 90 % as determined by SDS-PAGE. |

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Storage Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Lyophilized from sterile PBS, pH 7.4.
Please contact us for any concerns or special requirements.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

GENE INFORMATION

Gene Name S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol S

Synonyms S; surface glycoprotein; spike glycoprotein; surface glycoprotein; structural protein; spike protein

Gene ID 43740568

mRNA Refseq MN908947

Protein Refseq YP_009724390

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