

Recombinant COVID-19 Spike S1+S2 (G75V, T76I, R246N, (247, 253) deletion, L452Q, F490S, D614G, T859N) protein(Met1-Pro1213), His-tagged

Cat. No. Spike-1289V Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Recombinant SARS-CoV-2 Spike S1+S2 (YP_009724390.1, with mutations G75V, T76I, R246N, (247, 253) deletion, L452Q, F490S, D614G, T859N) (Met1-Pro1213) was expressed in Insect Cells with a polyhistidine tag at the C-terminus. The mutations were identified in the SARS-CoV-2 variant (known as variant C.37) which emerged in the Peru. |
| Species | Sars-CoV-2 |
| Source | Insect Cells |
| ProteinLength | Met1-Pro1213 |
| Form | Lyophilized from sterile 20mM Tris, 300mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Molecular Mass | The recombinant SARS-CoV-2 Spike S1+S2 consists of 1207 amino acids and predicts a molecular mass of 134.11 kDa. |
| Endotoxin | < 1.0 EU per µg protein as determined by the LAL method. |
| Purity | > 90 % as determined by SDS-PAGE |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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

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

Gene ID [43740568](#)

Protein Refseq [YP_009724390.1](#)

UniProt ID [P0DTC2](#)

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