

Recombinant SARS-CoV Spike S1+S2 ECD(S577A, Isolate Tor2) protein(Met1-Pro1195), His-tagged

Cat. No. Spike-1302V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length ECD of SARS-CoV (isolate: Tor2) spike (NP_828851.1) (Met1-Pro1195) was expressed in Insect Cells with a C-terminal polyhistidine tag.
Species	SARS
Source	Insect Cells
ProteinLength	Met1-Pro1195
Form	Lyophilized from sterile 20mM PB, 300mM NaCl, pH 7.0, 10% glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized ACE2 Protein, Human, Recombinant (mFc Tag) at 2µg/mL (100µL/well) can bind SARS-CoV Spike S1+S2 ECD-His Recombinant Protein (S577A, Isolate Tor2), the EC50 of SARS-CoV Spike S1+S2 ECD-His Recombinant Protein (S577A, Isolate Tor2) is 300-900ng/mL.
Molecular Mass	The recombinant SARS-CoV (isolate: Tor2) spike S1+S2 ECD consists of 1193 amino acids and predicts a molecular mass of 132.58 kDa.
Endotoxin	< 1.0 EU per 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°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.

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