

## 32-13552: SARS Spike (306-515)

**Application :** Functional Assay

**Alternative Name :** Spike glycoprotein, S glycoprotein, Peplomer protein, E2 glycoprotein precursor, Severe acute respiratory Syndrome-related Coronavirus, SARS, SRAS-CoV, SARS-CoV1, E2.

### Description

Source: HEK293 Cells.

Sterile Filtered colorless solution.

SARS Coronavirus is an enveloped virus containing 3 outer structural proteins, namely the membrane (M), envelope (E), and spike (S) proteins. Spike (S)-glycoprotein of the virus interacts with a cellular receptor and mediates membrane fusion to allow viral entry into susceptible target cells. Accordingly, S-protein takes part in virus infection cycle and is the primary target of neutralizing antibodies.

The recombinant SARS Spike containing a total of 220 amino acids (306-515) and having a calculated Mw of 24.8 kDa. SARS Spike is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The SARS Spike (306-515) solution (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% Glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** DGSMRVVPSG DVVRFNITN LCPFGEVFNA TKFPSVYawe RKKISNCVAD YSVLYNSTFF STFKCYGVSA TKLNDLCFSN VYADSFVVKG DDVRQIAPGQ TGVIADYNYK LPDDFMGCVL AWNTRNIDAT STGNVNYKYR YLRHGKLRPF ERDISNVPFS PDGKPCTPPA LNCYWPLNDY GFYTTTGIGY QPYRVVVLsf ELLNAPATVC GPKLHHHHHH

### Application Note

Measured by its binding ability in a functional ELISA with Human ACE-2 .