Catalog Number: 230-30210



Recombinant SARS-CoV-2 Spike S1 Subunit Protein (full length) with A222V Mutant

Source

Species SARS-CoV-2 Delta B.1.617.2 (India)

Accession Number QHD43416

Gene Symbol S

Expressed Region Val16-Gln690. A222V mutant: amino acid Ala (A) at 222 position was mutated to Val (V).

Synonyms Spike protein, S Protein, S1 Subunit, Host Cell Receptor Binding Domain (RBD)

Preparation

Expression System Human embryonic kidney 293 (HEK293) cells

Tag C-terminal his-tag

Purification His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)

Purity 80%

Purity Determined By SDS-PAGE under reducing conditions and visualized by Coomassie blue staining

Recombinant protein product has a calculated molecular mass of 75 kDa. Due to the abundant glycosylation, it migrates as approximately 120 kDa major protein band in SDS-PAGE under

DTT, beta-mercaptoethanol reducing conditions.

Protein Specifications

Molecular Weight

Format Liquid

Formulation Supplied as a 0.2 um filtered solution in PBS (pH 7.4)

Concentration Lot specific (see the label on the vial), determined by BCA protein assay

Endotoxin Level 0.5 EU per µg of the protein as determined by the LAL method

Recommended Applications Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA,

Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.

SDS-PAGE Image SDS-PAGEund or type unknown

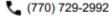
Figure 1. Deglycosylation analysis of purified recombinant proteins. The same amount of purified proteins were untreated (Lane 2) or treated with protein deglycosylation enzymes under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein to produce one reduced band at the expected size, thus indicating that the untreated

recombinant protein (Lane 2) was glycosylated.

Shipping

Ice packs

Storage/Stability



Upon arrival, the protein may be stored for 2 weeks at 4 °C. For long term storage, it is recommended to store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.

