

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

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. The primary amino groups (-NH ₂) at the N-terminus and the side chains of lysine (K) residues were biotin-conjugated using the standard chemical labeling method.
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
Molecular Weight	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

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
Recommended Applications	Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.

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.