

Catalog Number: 230-30246

Recombinant SARS-CoV-2 Omicron Variant BA.2.75.2 Spike S1 RBD Protein**Source**

Species	SARS-CoV-2, Omicron Variant BA.2.75.2
Accession Number	QHD43416
Gene Symbol	S
Expressed Region	Arg319-Phe541, 19 mutant sites (G339H, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, G446S, N460K, S477N, T478K, E484A, F486S, Q498R, N501Y, Y505H).
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	>90%
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 25 kDa. Due to the abundant glycosylation, it migrates as approximately 30 kDa protein bands 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 Bio-Rad protein assay reagent
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-PAGE found or type unknown

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.