

Catalog Number: 230-30247

Recombinant SARS CoV-2 Omicron XBB.1 S1RBD**Source**

Species	SARS-CoV-2 (2019-nCoV)
Accession Number	QHD43416
Gene Symbol	S
Expressed Region	Arg319-Phe541. 22 site mutation: G339H, R346T, L368I, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, V445P, G446S, N460K, S477N, T478K, E484A, F486S, F490S, Q498R, N501Y, Y505H.
Synonyms	Spike Protein S1 Receptor-Binding Domain (RBD)

Preparation

Expression System	Human Embryonic Kidney 293 Cells
Tag	C-terminal histidine tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	>95%
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 35 kDa major protein band in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. See deglycosylation analysis image below.

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 Bradford protein assay
Endotoxin Level	0.5 EU per ug of the protein as determined by the LAL method

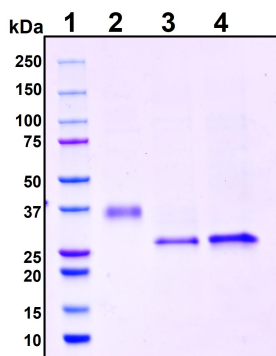
SDS-PAGE Image

Figure 1. Deglycosylation analysis of purified recombinant proteins. Lane 1, protein ladder (kDa). Lane 2, glycosylated protein (delivered to customers). Lanes 3 and 4, deglycosylated proteins under native and denature conditions respectively.

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.