

Recombinant SARS-CoV-2 S1 Subunit Protein (RBD) with C-terminal Mouse IgG Fc Tag, Biotinylated**Source**

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| Species | SARS-CoV-2 |
| Accession Number | QHD43416 |
| Expressed Region | Arg319-Phe541 |
| Synonyms | Spike protein, S Protein, S1 Subunit, Host Cell Receptor Binding Domain (RBD) |

Preparation

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|-----------------------------|---|
| Expression System | Human embryonic kidney 293 (HEK293) cells |
| Tag | C-terminal mouse IgG Fc-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 | Protein G affinity purification |
| 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 50 kDa including 25 kDa mouse IgG Fc-tag. Due to the abundant glycosylation, it migrates as approximately 65 kDa major protein band in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. See deglycosylation analysis image below. |

Protein Specifications

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| 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 | Binding assay, glycosylation analysis, biotin/dye/bead conjugation, other functional assays. |

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.