# SARS-CoV-2 S protein RBD-SD1 (HEK293, mFc)

| | |
|---|---|
| **Cat. No.:** | HY-P7432 |
| **Synonyms:** | 2019-nCov RBD Protein; 2019-nCoV Spike RBD Protein; S protein RBD; 2019-nCoV S protein RBD |
| **Species:** | Virus |
| **Source:** | HEK293 |
| **Accession:** | QHD43416.1 (R319-P589) |
| **Gene ID:** | 43740568 |
| **Molecular Weight:** | 60-80 kDa |

## PROPERTIES

| | |
|---|---|
| **AA Sequence** | RVQPTESIVR FPNITNLCPF GEVFNATRFA SVYAWNRKRI<br>SNCVADYSVL YNSASFSTFK CYGVSPTKLN DLCFTNVYAD<br>SFVIRGDEVR QIAPGQTGKI ADYNYKLPDD FTGCVIAWNS<br>NNLDSKVGGN YNYLYRLFRK SNLKPFERDI STEIYQAGST<br>PCNGVEGFNC YFPLQSYGFQ PTNGVGYQPY RVVVLSFELL<br>HAPATVCGPK KSTNLVKNKC VNFNFNGLTG TGVLTESNKK<br>FLPFQQFGRD IADTTDAVRD PQTLEILDIT P |
| **Appearance** | Solution. |
| **Formulation** | Supplied as a 0.2 μm filter solution of PBS, pH 7.4. |
| **Endotoxin Level** | <1 EU/μg, determined by LAL method. |
| **Reconsititution** | N/A |
| **Storage & Stability** | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | Shipping with dry ice. |

## DESCRIPTION

| | |
|---|---|
| **Background** | The transmembrane CoV S-protein spike trimer is composed of interwoven protomers that include an N-terminal receptor-binding S1 subunit and a C-terminal S2 subunit that contains the fusion elements. The S1 subunit is subdivided into the N-terminal domain (NTD) followed by the receptor-binding domain (RBD) and two structurally conserved subdomains (SD1 and SD2). |

## REFERENCES

[1]. Renhong Yan, et al. Structural basis for the recognition of SARS-CoV-2 by full-length human ACE2. Science. 2020 Mar 27; 367(6485): 1444–1448.

[2]. Rory Henderson, et al. Controlling the SARS-CoV-2 Spike Glycoprotein Conformation. bioRxiv. 2020 May 18;2020.05.18.102087.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA