

SARS-CoV-2 S1 Protein

Catalogue No.: abx163967

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) S1 Protein is a recombinant protein expressed in Mammalian cells.

The SARS-CoV-2 Spike Protein (S protein) is a viral protein that allows the entry of SARS-CoV-2 into human cells. The protein forms trimers on the viral capsid and binds to human Angiotensin Converting Enzyme 2 (ACE2) located on the cell surface. The protein has a cleavage site between the S1 and S2 subunits that is targeted by the human enzyme Furin, and it may also cause the development of a syncytium (cell fusion). Antibodies to S protein can prevent viral entry as well as target the virus for further immune action.

Target:	SARS-CoV-2 S1 Protein
Research Area:	Infection Immunity
Origin:	Virus
Expression:	Recombinant
Tested Applications:	ELISA, WB, SDS-PAGE
Host:	Mammalian cells
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Form:	Liquid
Purity:	> 95% (SDS-PAGE)
Purification:	0.2 µm filtered.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
NCBI Accession:	QHD43416.1
Sequence Fragment:	Gln14-Arg685

Datasheet

Version: 5.0.0

Revision date: 05 Sep 2025

**Sequence:**

QCVNLTRRTQ LPPAYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT WFHAIHVSQT
NGTKRFDNPV LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLIVNNA TNVVIKVECF
QFCNDPFLGV YYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ GNFKNLREFV
FKNIDGYFKI YSKHTPINLV RDLPPQGSAL EPLVDLPIGI NITRFQTLA LHRSYLTPGD
SSSGWTAGAA AYYVGYLQPR TFLLYNENG TITDAVDCAL DPLSETKCTL KSFTVEKGIY
QTSNFRVQPT ESIVRFPNIT NLCPFGEVFN ATRFASVYAW NRKRISNCVA DYSVLYNSAS
FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVQRQIAPG QTGKIADYNY KLPDDFTGCV
IAWNSNNLDS KVGGNYNLY RLFRKSNLKP FERDISTEYI QAGSTPCNGV EGFNCYFPLQ
SYGFQPTNGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF NGLTGTGVL
ESNKKFLPFQ QFGRDIADTT DAVRDPQTLE ILDTPCSGF GVSIVTPGTN TSNQVAVLYQ
DVNCTEVPVA IHADQLTPTW RYVSTGSNVF QTRAGCLIGA EHVNSYECI IPIGAGICAS
YQTQNSPRR ARPRDCGCKP CICTVPEVSS VFIFPPKPKD VLTITLTPKV TCVVVDISKD
DPEVQFSWFV DDVEVHTAQT QPREEQFNST FRSVSELPIM HQDWLNGKEF KCRVNAAFP
APIEKTISKI KGRPKAPQVY TIPPPKEQMA KDKVSLTCMI TDFFPEDITV EWQWNGQPAE
NYKNTQPIMD TDGSYFVYSK LNVQKSNWEA GNTFTCSVLH EGLHNHHTTEK SLSHSPGK

Tag:

C-terminal mFc tag

Buffer:

PBS, pH 7.4.

Endotoxin Level:

< 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Note:

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.