

## SARS-CoV-2 S1 Protein CTD

Catalogue No.: abx163971

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) S1 Protein CTD 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.

<b>Target:</b>	SARS-CoV-2 S1 Protein CTD
<b>Research Area:</b>	Infection Immunity
<b>Origin:</b>	Virus
<b>Expression:</b>	Recombinant
<b>Tested Applications:</b>	ELISA, WB, SDS-PAGE
<b>Host:</b>	Mammalian cells
<b>Recommended dilutions:</b>	Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Form:</b>	Liquid
<b>Purity:</b>	> 95% (SDS-PAGE)
<b>Purification:</b>	0.2 µm filtered.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>NCBI Accession:</b>	QHD43416.1
<b>Tag:</b>	N-terminal 8 His tag and Flag tag
<b>Buffer:</b>	PBS, pH 7.4.
<b>Endotoxin Level:</b>	< 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

# Datasheet

Version: 7.0.0

Revision date: 02 Jul 2025



**Note:**

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

For Reference Only