

Recombinant SARS S (N) Protein

Cat. No. S-1234S **Lot. No.** (See product label)

SPECIFICATION

Product Overview The E. coli derived 38 kDa mosaic protein contains the N-terminal section of the Spike protein 12-53, 90-115, 171-203 amino acids immunodominant regions.

Species SARS

Source E.coli

ProteinLength 12-53;90-115;171-203 a.a.

Description Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The spike glycoprotein is found on the outside of the virus particle and gives coronavirus viruses their crown-like appearance. This glycoprotein mediates attachment of the virus particle and entry into the host cell. S protein is an important target for vaccine development, antibody therapies and diagnostic antigen-based tests.

Molecular Mass 38 kDa

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Purity	>95%
Applications	SARS Mosaic antigen is suitable for ELISA and Western blots, excellent antigen for detection of SARS with minimal specificity problems.
Usage	Our products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Storage	SARS Mosaic protein is shipped at ambient temperature. Upon arrival, store at -20 centigrade.
Storage Buffer	25mM Tris-HCl, 0.4% sarcosyl, 0.25% Triton –100 and 50% glycerol.
Shipping	Shipped with ice packs.

GENE INFORMATION

Gene Name	S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	S
Synonyms	S; surface glycoprotein; spike glycoprotein; surface glycoprotein; structural protein; spike protein
Gene ID	43740568
Protein Refseq	YP_009724390
UniProt ID	P0DTC2

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