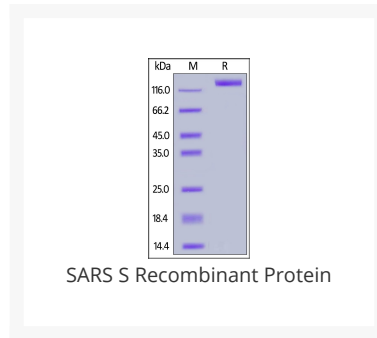




SARS S Recombinant Protein

Cat. No.: 97-094



Ψ Specifications

SPECIES:	SARS
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Ser 14 - Pro 1195
FUSION TAG:	His Tag
TESTED APPLICATIONS:	WB
APPLICATIONS:	This recombinant protein can be used for WB. For research use only.
PREDICTED MOLECULAR WEIGHT:	139.5 kDa

Ψ Properties

PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	Lyophilized protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.

Ψ Additional Info

ALTERNATE NAMES:	S protein RBD, Spike glycoprotein Receptor-binding domain, S glycoprotein RBD, Spike protein RBD
ACCESSION NO.:	AAP13567.1

Background and References

BACKGROUND:	Protein S (PROS1) is glycoprotein and expressed in many cell types supporting its reported involvement in multiple biological processes that include coagulation, apoptosis, cancer development and progression, and the innate immune response. Known receptors bind S1 are ACE2, DPP4, CEACAM etc.. It's been reported that 2019-nCoV can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
REFERENCES:	1) Wan Y, et al. J Virol. 2020. pii: JVI.00127-20.
	2) Benvenuto D, et al. J Med Virol. 2020.
	3) Chang CY, et al. AMB Express. 2020. 10(1):20.

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