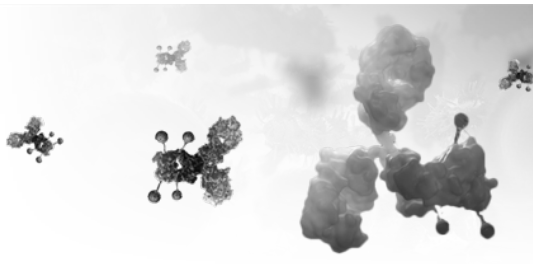

Recombinant SARS S1 protein [His] (DAGC216)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	SARS S1 protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 14 - Arg 667 (Accession # AAP13567.1). This protein carries a polyhistidine tag at the C-terminus.
Species	SARS
Purity	>95% as determined by SDS-PAGE.
Conjugate	His
Applications	SDS-PAGE, ELISA
Predicted N terminal	Ser 14
Molecular Weight	The protein has a calculated MW of 74.9 kDa. The protein migrates as 90-116 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Format	Lyophilized
Size	100 µg, 1 mg
Buffer	Lyophilized from 0.22 um filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Preservative	None
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state;

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-70°C for 3 months under sterile conditions after reconstitution.

BACKGROUND

Introduction	It's been reported that Coronavirus 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.
Keywords	SARS; coronavirus; SARS S1; SARS spike protein

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