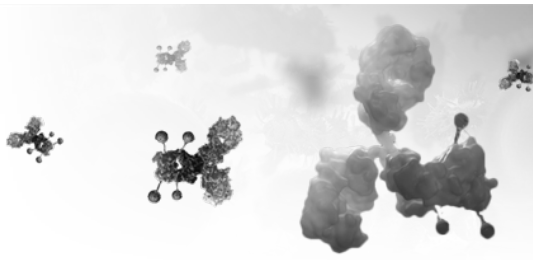

Recombinant SARS-CoV-2 Spike S1 NTD (a.a. 16-305) (DAGC673)

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

PRODUCT INFORMATION

Species	SARS-CoV-2
Purity	>95% by SDS Page
Conjugate	Unconjugated
Applications	ELISA
Molecular Weight	The predicted molecular mass is ~36 kDa.
Endotoxin	<0.10 EU per 1 ug of the protein by the LAL method
Format	Liquid
Size	100 µg, 500 µg, 1 mg
Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 150 mM NaCl
Preservative	None
Storage	This recombinant protein may be stored as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

BACKGROUND

Introduction	The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic

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	antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike is essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process.
Keywords	SARS-CoV-2; coronavirus; SARS-CoV-2 S1; SARS-CoV-2 spike protein; SARS-CoV-2 spike S1; SARS-CoV-2 S1 NTD

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