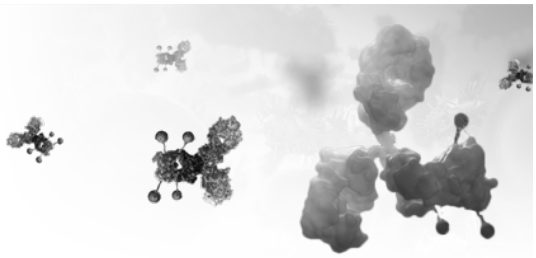

Recombinant SARS-CoV-2 Spike RBD + SD1 [His] (DAGC184)

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

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) spike protein receptor binding domain and subdomain (Arg319-Ser591)
Species	SARS-CoV-2
Purity	90% or above
Conjugate	His
Molecular Weight	Predicted molecular weight 31.8 KD
Endotoxin	<0.1 EU per ug of protein as determined by LAL method
Format	Liquid
Size	100 µg, 1 mg
Buffer	PBS
Preservative	None
Storage	The protein is stable in a liquid state at -70°C for 12 months. Avoid repeated freeze-thaw cycles.
Ship	Recombinant proteins are provided as frozen liquid and will be shipped out with dry ice.

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

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	2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic 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 spike RBD; SARS-CoV-2 spike protein

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