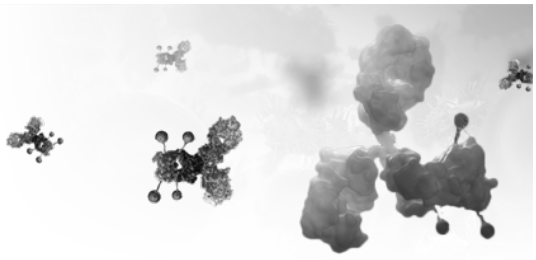

Recombinant SARS-CoV-2 NSP9 [His, Avi] (DAGC356)

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) NSP9 Protein (YP_009725305.1) (His1-Lys113) was expressed with a polyhistidine tag at the N-terminusand and a C-terminal AVI tag.
Species	SARS-CoV-2
Purity	> 90 % as determined by SDS-PAGE.
Conjugate	His, Avi
Applications	ELISA
Predicted N terminal	Met
Molecular Weight	The recombinant SARS-CoV-2 (2019-nCoV) NSP9 Protein consists of 140 amino acids and predicts a molecular mass of 15.46 kDa.
Format	Lyophilized
Size	100 µg, 1 mg
Buffer	Lyophilized from sterile 50mM Tris, 150mM NaCl, 2mM βME, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Preservative	None
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

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Introduction	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV2) is comprised of a large single stranded positive polarity RNA genome that acts as messenger RNA after entering the host. Post infection, the ssRNA encodes two open reading frames, produced through host ribosomal frameshifting that transcribes two polyprotein products. The polyprotein products are subsequently cleaved into 27 viral proteins by internally encoded proteases. Further processing of the polyprotein releases an RNA-polymerase along with several non-structural proteins that facilitate RNA synthesis and may play a role in the enveloping process but are not included in the viral coat.
Keywords	SARS-CoV-2 NSP9; SARS-CoV-2

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