

Recombinant 2019 nCoV Spike S2 Protein

Catalog Number: SYN-C1010

GENERAL INFORMATION

Source:	Recombinant 2019 nCoV Spike S2 Protein is expressed from a mammalian cell with Fc tag and Avi Tag at the C-terminal. It contains Ser 686 - Pro1213.
Accession:	QHD43416.1

QC TESTING

Molecular Weight:	The protein has a predicted MW of 85.6 kDa. Due to glycosylation, the protein migrates to 90-115 KDa based on Bis-Tris PAGE result.
Purity:	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin:	Less than 1 EU per ug by the LAL method.

FORMULATION AND STORAGE

Formulation:	Lyophilized from 0.22um filtered solution in 20mM PB (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Storage:	The product should be stored at -70°C or -20°C.

BACKGROUND

Background:	The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
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