9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SARS-CoV

SARS-CoV Nucleocapsid (422a.a) Recombinant
VAG0458

Product Overview

Name	SARS-CoV
Description	
SARS-CoV Nucleocapsid (422a.a) Recombinant	
Accession (Primary)	p59595
Introduction	
SARS Coronavirus is an enveloped virus containing three outer structural proteins, namely the membrane (M), envelope (E), and spike (S) proteins. Spike (S)-glycoprotein of the virus interacts with a cellular receptor and mediates membrane fusion to allow viral entry into susceptible target cells. Accordingly, S-protein plays an important role in virus infection cycle and is the primary target of neutralizing antibodies.	
Source	
Escherichia coli.	
Formulation	
Sterile filtered (0,4 µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASHM SDNG PQSNQRSAPR ITFGGPTDST DNNQNGGRNG ARPKQRRPQG LPNNTASWFT ALTQHGKEEL RFPRGQGVPI NTNSGPDDQI GYYRRATRRV RGGDGKMKEL SPRWYFYYLG TGPEASLPYG ANKEGIVWVA TEGALNTPKD HIGTRNPNNN AATVLQLPQG TTLPKGFYAE GSRGGSQASS RSSSRSRGNS RNSTPGSSRG NSPARMASGG GETALALLLL DRLNQLESKV SGKGQQQQGQ TVTKKSAAEA SKKPRQKRTA TKQYNVTQAF GRRGPEQTQG NFGDQDLIRQ GTDYKHWPQI AQFAPSASAF FGMSRIGMEV TPSGTWLTYH GAIKLDDKDP QFKDNVILLN KHIDAYKTFP PTEPKKDKKK KTDEAQPLPQ RQKKQPTVTL LPAADMDDFS RQLQNSMSGA SADSTQA.	
Solubility	

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Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited.

Precautions

SARS-CoV is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (p59595)