



SARS Spike protein (aa 1 - 1190) [His] (DAG2408)

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

PRODUCT INFORMATION

Product Overview	6xHis tagged Spike protein (amino acid 1-1190) (SARS-CoV) (Beijing02) (Genebank No.AY278487)
Species	SARS
Purity	≥ 95%
Conjugate	His
Applications	Western Blotting standard, antibody ELISA, immunogen, etc
Molecular Weight	comprises 665 amino acids and has a predicted molecular mass of 142.8 kDa. As a result of high glycosylation, the apparent molecular mass of the protein is approximately 190-200 kDa in SDS-PAGE under reducing conditions
Stability	Samples are stable for up to twelve months from date of receipt at -70 °C
Format	Liquid
Concentration	1 mg/mL
Size	100 µg
Buffer	PBS containing 0.1% BSA and 25% glycerol.
Preservative	None
Storage	Store at 4°C; DO NOT FREEZE; stable for 1 year from the date of shipment.

BACKGROUND

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. The E.Coli derived 38 kDa mosaic protein contains the N-terminal section of the Spike protein.
