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Datasheet for ABIN7013040

Coronavirus Spike Glycoprotein Protein (CoV S) (AA 16-1291) (His tag)

Overview

Quantity:	50 µg
Target:	Coronavirus Spike Glycoprotein (CoV S)
Protein Characteristics:	AA 16-1291
Origin:	Human Coronavirus NL63 (HCoV-NL63)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Coronavirus Spike Glycoprotein protein is labelled with His tag.

Product Details

Purpose:	HCoV-NL63 S protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Coronavirus Spike Glycoprotein (CoV S)
Alternative Name:	Spike protein (CoV S Products)
Target Type:	Viral Protein
Background:	Human coronavirus NL63 (HCoV-NL63) is one of seven known coronaviruses to infect humans. The virus is an enveloped, positive-sense, single-stranded RNA virus which enters its host cell by binding to ACE2. Infection with the virus has been confirmed worldwide, and has an association with many common symptoms and diseases. The spike protein of HCoV-NL63 is a

Target Details

trimer protruding from the viral membrane to engage cellular receptors and mediate viral fusion with host membranes. Each spike trimer contains two large regions: N-terminal S1 responsible for receptor binding and C-terminal S2 responsible for fusion.

Molecular Weight: 146.9 kDa

NCBI Accession: [YP_003767](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS

Storage: -20 °C