Datasheet for ABIN7121349

hCoV-OC43 Spike Protein (His tag)

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Overview

Quantity:	50 µg
Target:	hCoV-OC43 Spike (HCoV-OC43 S)
Origin:	Human Coronavirus OC43 (HCoV-OC43)
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This hCoV-OC43 Spike protein is labelled with His tag.

Product Details

Purpose:	HCoV-OC43 Spike protein, His Tag
Sequence:	Ala 14 - Pro 1297 (RRSRG 754-758 GGSGG)
Specificity:	HCoV-OC43 Spike protein
Characteristics:	HCoV-OC43 Spike protein, His Tag (SPN-H52Hz) is expressed from Baculovirus-Insect cells. It contains AA Ala 14 - Pro 1297 (RRSRG 754-758 GGSGG) (Accession # P36334-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	hCoV-OC43 Spike (HCoV-OC43 S)
Alternative Name:	HCoV-OC43 Spike protein (HCoV-OC43 S Products)
Background:	Synonyms: Spike,S protein,Spike glycoprotein,S glycoprotein,

Target Details

	Description: Human coronavirus OC43 (HCoV-OC43) is one of seven known coronaviruses to infect humans, which is responsible for the common cold and may have been responsible for the 1889-1890 pandemic. The infecting coronavirus is an enveloped, positive-sense, single-stranded RNA virus that enters its host cell by binding to the N-acetyl-9-O-acetylneuraminic acid receptor. The spike protein of HCoV-OC43 is a 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:	148.3 kDa

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 148.3 kDa. The protein migrates as 150 kDa under reducing (R) condition .
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS
Storage:	-20 °C
Storage Comment:	-20°C