Datasheet for ABIN7316970

SARS-CoV-2 Spike Protein (BA.2.75 - Omicron) (His tag)

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Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	BA.2.75 - Omicron
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Omicron
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with His tag.

Product Details

Purpose:	SARS-CoV-2 Spike NTD Protein, His Tag (BA.2.75/Omicron) (MALS verified)
Sequence:	Ser 13 - Leu 303
Characteristics:	SARS-CoV-2 Spike NTD, His Tag (BA.2.75/Omicron) is expressed from human 293 cells (HEK293). It contains AA Ser 13 - Leu 303 (Accession # QHD43416.1 (T19I, LPP24-26del, A27S, G142D, K147E, W152R, F157L, I210V, V213G, G257S). The spike mutations are identified on the SARS-CoV-2 Omicron variant (Pango lineage: BA.2.75).
Purity:	90,00 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

Target Details

Target:	SARS-CoV-2 Spike

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Target Details

Abstract:	SARS-CoV-2 Spike Products
Background:	Synonyms:S1 protein NTD,Spike protein S1 NTD,BetaCoV S1-NTD,Description:It's been reported that Coronavirus can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion.The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
Molecular Weight:	34.6 kDa

Application Details

Comment:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 34.6 kDa. The protein migrates as 47-57 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C

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