Datasheet for ABIN7121370

SARS-CoV-2 Spike Protein (BA.3 - Omicron, Trimer) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	BA.3 - Omicron, Trimer
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 Trimer, His Tag (BA.3/Omicron) (MALS verified)
Sequence:	Val 16 - Pro 1213
Specificity:	SARS-CoV-2 Spike Trimer (BA.3/Omicron)
Characteristics:	SARS-CoV-2 Spike Trimer, His Tag (BA.3/Omicron) (SPN-C5225) is expressed from human 293 cells (HEK293). It conta (A67V,H69del,V70del,T95I,G142D,V143del,Y144del,Y145del,N211del,L212I,G339D,S371F,S373P,S375F,D405N,K417N,N R685A, F817P, A892P, A899P, A942P, K986P, V987P). The spike mutations are identified on the SARS-CoV-2 Omicron v cells (HEK293) with T4 fibritin trimerization motif and a polyhistidine tag at the C-terminus. Proline substitutions (F817P prefusion state of SARS-CoV-2 S protein and abolish the furin cleavage site, respectively.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	SARS-CoV-2 Spike
Abstract:	SARS-CoV-2 Spike Products
Background:	Synonyms: Spike,S protein,Spike glycoprotein,S glycoprotein, Description: It's been reported that SARS-CoV-2 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:	137.7 kDa

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 137.7 kDa. The protein migrates as kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

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

 Copyright antibodies-online. All rights reserved.