Datasheet for ABIN7198809

MERS-CoV Nucleocapsid Protein (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	MERS-CoV Nucleocapsid (MERS-CoV N)
Origin:	Middle East Respiratory Syndrome Coronavirus (MERS-CoV)
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MERS-CoV Nucleocapsid protein is labelled with His tag.

Product Details

Purpose:	Recombinant MERS-CoV Nucleoprotein / NP protein (His Tag)
Sequence:	Met1-Asp413
Characteristics:	A DNA sequence encoding the Nucleoprotein MERS-CoV (AFS88943.1) (Met1-Asp413) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	MERS-CoV Nucleocapsid (MERS-CoV N)
Alternative Name:	MERS-Coronavirus Nucleocapsid Protein (MERS-CoV N Products)
Background:	Background: Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells

Target Details

	transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool. Synonym: coronavirus NP Protein, MERS-CoV, coronavirus Nucleocapsid Protein, MERS-CoV, coronavirus Nucleoprotein Protein, MERS-CoV, cov np Protein, MERS-CoV, ncov NP Protein, MERS-CoV, novel coronavirus Nucleoprotein Protein, MERS-CoV, NP Protein, MERS-CoV, Nucleocapsid Protein, MERS-CoV, Nucleoprotein Protein, MERS-CoV
Molecular Weight:	46.51kDa.

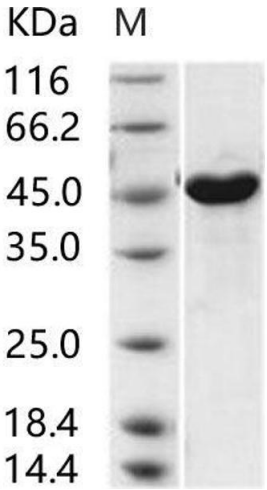
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % gly, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Copyright antibodies-online. All rights reserved.



Western Blotting
Image 1.

 Copyright antibodies-online. All rights reserved.