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Datasheet for ABIN7198810

MERS-CoV Nucleocapsid Protein

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Overview

Quantity:	50 µg
Target:	MERS-CoV Nucleocapsid (MERS-CoV N)
Origin:	Middle East Respiratory Syndrome Coronavirus (MERS-CoV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant MERS-CoV Nucleocapsid Protein
Sequence:	Met1-Asp413
Characteristics:	Recombinant MERS-CoV Nucleocapsid Protein is produced by our E.coli expression system and the target gene encoding Met1-Asp413 is expressed with a 6His tag at the N-terminus.
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	Please contact us for more information.
Biological Activity Comment:	Test in progress

Target Details

Target:	MERS-CoV Nucleocapsid (MERS-CoV N)
Alternative Name:	MERS-Coronavirus Nucleocapsid Protein (MERS-CoV N Products)
Background:	Background: 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. N protein packages the positive strand viral genome RNA into

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Target Details

	a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool. Synonym: MERS-CoV Nucleocapsid Protein, MERS-CoV coronavirus NP Protein, MERS-CoV np Protein, MERS-CoV novel coronavirus Nucleoprotein Protein
Molecular Weight:	48.8kDa
UniProt:	K0BVN3

Application Details

Comment:	53kDa
Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl 500 mM NaCl, 0.1 % Chaps, pH 7.5
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

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