Datasheet for ABIN7197788

SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N) Protein

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Overview

Quantity:	50 µg
Target:	SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N)
Origin:	SARS Coronavirus (SARS-CoV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant SARS-CoV Nucleocapsid Protein
Sequence:	Met1-Ala422
Characteristics:	Recombinant SARS-CoV Nucleocapsid Protein is produced by our E.coli expression system and the target gene encoding Met1-Ala422 is expressed with a 6His tag at the N-terminus.
Purity:	Greater than 85 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Test in progress

Target Details

Target:	SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N)
Alternative Name:	SARS-CoV Nucleocapsid (SARS-CoV N Products)
Target Type:	Viral Protein
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

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: SARS-CoV coronavirus NP Protein, SARS-CoV np Protein, SARS-CoV novel coronavirus Nucleoprotein
Molecular Weight:	49.7kDa
UniProt:	P59595

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM Tris-HCl, 150 mM NaCl, 50 mM Arginine, pH 7.5
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.