



[Go to Product page](#)

Datasheet for ABIN7198822 HCoV-OC43 N Protein

Overview

Quantity:	50 µg
Target:	HCoV-OC43 N
Origin:	Human Coronavirus OC43 (HCoV-OC43)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant HCoV-OC43 Nucleocapsid Protein
Sequence:	Met1-Ile448
Characteristics:	Recombinant HCoV-OC43 Nucleocapsid Protein is produced by our E.coli expression system and the target gene encoding Met1-Ile448 is expressed with a 6His tag at the N-terminus.
Purity:	Greater than 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	Please contact us for more information.
Biological Activity Comment:	Test in progress

Target Details

Target:	HCoV-OC43 N
Alternative Name:	Coronavirus OC-43 Nucleoprotein (HCoV-OC43 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

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: HCoV-OC43 Nucleocapsid Protein, HCoV-OC43 coronavirus NP Protein, HCoV-OC43 np Protein, HCoV-OC43 novel coronavirus Nucleoprotein Protein

Molecular Weight: 53kDa

UniProt: [P33469](#)

Application Details

Comment: 57kDa

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM NaAc-HAc, 150 mM NaCl, 5 % Trehalose, pH 4.5

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.