

Product Details

Summary

Product name	Recombinant soluble 2019-nCoV Nucleocapsid-FC protein
Catalog#	ATXP02518COV
description	Nucleocapsid-Fc is a soluble SARS-CoV-2 fusion protein generated by fusing the full-length Nucleocapsid (M1-A419) to a C-terminal human IgG1-Fc tag with a TEV (Tobacco Etch Virus) sequence linker
Expression system	Mammalian cells
Species	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
Accession #	P0DTC9
Alternative names	Nucleoprotein
Purity	Protein A affinity chromatography

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 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.

Product performance

MW	79 kDa
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