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Product Datasheet

Recombinant 2019-nCoV Nucleocapsid Protein EBT-EPT266

Article Name	Recombinant 2019-nCoV Nucleocapsid Protein
Biozol Catalog Number	EBT-EPT266
Supplier Catalog Number	EPT266
Alternative Catalog Number	EBT-EPT266-500
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant SARS-CoV-2 Nucleocapsid Protein is produced by our E.coli expression system and the target gene encoding Met1-Ala419 is expressed with a 6His tag at the N-terminus....
Molecular Weight	Molecular weight: 49.4kDa. Apparent molecular weight: 50-60kDa, reducing conditions
UniProt	QHD43423.2
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Biological activity: Immobilized 2019-nCoV Nucleocapsid Protein-His(CatDRA31) at 2 µg/ml (100 µl/well) can bind 2019-nCoV NP Antibody (6G9)(CatDA027). The ED50 of 2019-nCoV NP Antibody (6G9)(CatDA027) is 5-30 ng/ml. 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