

Recombinant Coronavirus Nucleoprotein (CoV-NP-NL63)

CATALOG NO: P1507-10 10 µg
P1507-50 50 µg

ALTERNATE NAMES: Nucleoprotein, Nucleocapsid protein, NC, N

SOURCE: *E. coli*

PURITY: >95%

FORM: Liquid

FORMULATION: 10 mM Phosphate Buffered Saline, pH 7.2, 0.05% Sodium Azide

STORAGE CONDITIONS: Store at 2-8°C for short term (≤ 1 week). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing.

DESCRIPTION: Human coronavirus NL63 or HCoV-NL63 is a species of coronavirus that was identified in late 2004 in a seven-month-old child with bronchiolitis in the Netherlands. The infecting virus is an enveloped, positive-sense, single-stranded RNA virus that enters its host cell by the ACE2 receptor. Infection with the virus has been confirmed worldwide and has an association with many common symptoms and diseases. Associated diseases include mild to moderate upper respiratory tract infections, severe lower respiratory tract infection, croup and bronchiolitis. The coronavirus genome encodes a spike protein (S), an envelope protein, a membrane protein, and a nucleoprotein in this order. Nucleoprotein 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. It also plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication.

AMINO ACID SEQUENCE: Peptide composed of 130 amino acids.

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- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 1-49) (P1510)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV NP; 340-390) (P1512)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 1-49, 192-220) (P1511)
- Human CellExp™ Coronavirus Spike Protein (MERS-CoV S1; 18-725), Recombinant (P1513)
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- Recombinant Coronavirus Spike Protein (SARS-CoV S1; 12-53, 90-115, 171-203) (P1515)
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