

# Recombinant SARS-CoV-2 Nucleoprotein (1-419)

**CATALOG NO:** P1537-10 10 µg  
P1537-50 50 µg

**ALTERNATE NAMES:** Nucleoprotein, Nucleocapsid protein, NC, N

**SOURCE:** *E. coli*

**PURITY:** >90%

**FORM:** Liquid

**FORMULATION:** 10 mM Phosphate Buffered Saline, pH 7.4

**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:** Severe acute respiratory syndrome (SARS) is a viral respiratory illness caused by a coronavirus called SARS-associated coronavirus (SARS-CoV). SARS coronavirus belongs to a family of enveloped coronaviruses. Coronaviruses are enveloped, single-stranded, positive-sense RNA viruses that belong to the subfamily Coronavirinae. 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 amino acids 1-419 of nucleoprotein

## RELATED PRODUCTS:

- Recombinant Coronavirus Nucleoprotein (CoV-NP-NL63) (P1507)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV-2) (P1523)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 340-390) (P1508)
- Recombinant Coronavirus Membrane Protein (SARS-CoV) (P1505)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 340-390) (P1512)
- Recombinant Coronavirus Nucleoprotein (CoV-NP 229E) (P1506)
- Recombinant Coronavirus Matrix Protein (SARS-CoV; 182-216) (P1504)
- Recombinant SARS-CoV-2 Nucleoprotein (1-430, His-tag) (P1536)

**FOR RESEARCH USE ONLY! Not to be used on humans.**