

# Recombinant Coronavirus Nucleoprotein (CoV-NP 229E)

CATALOG NO: P1506-10 10 µg  
P1506-50 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 with 3M Urea

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 229E is a single-stranded, positive-sense, RNA virus species in the genus Alphacoronavirus of the subfamily Coronavirinae, in the family Coronaviridae, of the order Nidovirales. 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 359 amino acids containing immunodominant regions. Protein contains His tag.

## RELATED PRODUCTS:

- Recombinant Coronavirus Membrane Protein (SARS-CoV, His tag) (P1505)
- Recombinant Coronavirus Nucleoprotein (CoV-NP-NL63) (P1507)
- Recombinant Coronavirus Matrix Protein (SARS-CoV; 182-216) (P1504)
- Recombinant Coronavirus Envelope Protein (SARS-CoV ENV;1-76) (P1503)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 340-390) (P1508)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV) (P1509)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 1-49) (P1510)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV; 1-49, 192-220) (P1511)
- Recombinant Coronavirus Nucleoprotein (SARS-CoV NP; 340-390) (P1512)
- Human CellExp™ Coronavirus Spike Protein (MERS-CoV S1; 18-725), Recombinant ( P1513)
- Recombinant Coronavirus Spike Protein (MERS-CoV S1; 56-295) (P1514)
- Recombinant Coronavirus Spike Protein (SARS-CoV S1; 12-53, 90-115, 171-203) (P1515)
- Recombinant Coronavirus Spike Protein (SARS-CoV S1; 1-53, 90-115, 171-205, His tag) (P1516)
- Recombinant Coronavirus Spike Protein (SARS-CoV S2; 408-470, 540-573, His Tag) (P1517)
- Recombinant Coronavirus Spike Protein (SARS-CoV S2; 408-470, 540-573) (P1518)
- Recombinant Coronavirus Spike Protein (SARS-CoV S2) (P1519)
- Recombinant Coronavirus Spike Protein (SARS-CoV S, His tag) (P1520)

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