

# Human CellExp™ SARS-CoV-2 Nucleoprotein, Recombinant

CATALOG NO: P1554-10 10 µg  
P1554-50 50 µg

**ALTERNATE NAMES:** Nucleoprotein, Nucleocapsid protein, NC, N, NP, NC\_045512.2, GU280\_gp10, ORF9 structural protein, nucleocapsid phosphoprotein

**MOL. WT.** 46 kDa (6xHis tag at the C-terminus)

**SOURCE:** HEK 293 cells

**PURITY:** >95% SDS - PAGE

**FORM:** Lyophilized

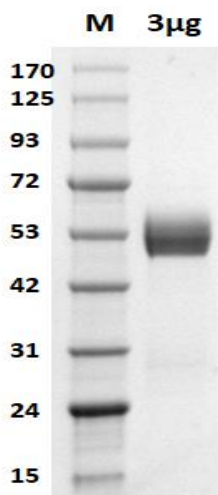
**FORMULATION:** Lyophilized from 0.22 µm filtered PBS (pH 7.4) with 5% trehalose

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in sterile PBS (pH 7.4). Do not vortex

**STORAGE CONDITIONS:** Store at -20°C. Once reconstituted, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**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:** Ser 2 – Ala 419



**SDS-PAGE (4-20%) of Recombinant SARS-CoV-2 Nucleoprotein:** 3 µg of recombinant nucleoprotein is loaded under reducing (R) condition and stained with Coomassie Blue.

## RELATED PRODUCTS:

- Human CellExp™ Angiotensin-Converting Enzyme 2 (ACE2), Human Recombinant (P1535)
- Human CellExp™ SARS-CoV-2 Spike Protein (RBD 310-568), Recombinant (P1543)
- Human CellExp™ SARS-CoV-2 Spike Protein (RBD; 331-524), Recombinant (P1544)
- Recombinant Coronavirus Nucleoprotein (CoV-NP-NL63) (P1507)

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