

## PRODUCT DATA SHEET

### SARS-CoV Nucleocapsid Protein E. coli

**Cat. No.:** RD972052100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** SARS

#### Other Names:

Severe acute respiratory syndrome coronavirus nucleoprotein, SARS-CoV N protein, SARS-CoV NP, SARS nucleocapsid phosphoprotein, SARS-NP

#### Description:

Total 437 AA. MW: 47.8 kDa (calculated). UniProtKB acc.no. P59595. N-Terminal His-tag 16 AA.

#### Amino Acid Sequence:

MRGSHHHHHH GMASHMSDNG PQSNQRSAPR ITFGGPTDST DNNQNGGRNG ARPKQRRPQG  
LPNNTASWFT ALTQHGKEEL RFPRGQGVPI NTNSGPDDQI GYYRRATRRV RGGDGKMKEL  
SPRWYFYFLG TGPEASLPYG ANKEGIVWVA TEGALNTPKD HIGTRNPNNN AATVLQLPQG  
TTLPGKFYAE GSRGGSQASS RSSRSRGNS RNSTPGSSRG NSPARMASGG GETALALLLL  
DRLNQLESKV SGKGQQQQGQ TVTKKSAAEA SKKPRQKRTA TKQYNVTQAF GRRGPEQTQG  
NFGDQDLIRQ GTDYKHWPQI AQFAPSASAF FGMSRIGMEV TPSGTWLTYH GAIKLDDKDP  
QFKDNVILLN KHIDAYKTFP PTEPKKDKKK KTDEAQPLPQ RQKKQPTVTI LPAADMDDFS  
RQLQNSMSG A SADSTQA

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0,4 μm) and lyophilized in 0.5 mg/mL in 0.05 M Acetate buffer pH= 4.0

#### Reconstitution:

Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10μg/mL. In higher concentrations the solubility of this antigen is limited.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

Western blotting

**Note:**

This product is intended for research use only.