

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 ANKEGIVVVA TEGALNTPKD HIGTRNPNNN AATVLQLPQG
TTLPKGFYAE GSRGGSQASS RSSSRSRGNS RNSTPGSSRG NSPARMASGG GETALALLLL
DRLNQLESKV SGKGQQQQGQ TVTKKSAAEA SKKPRQKRTA TKQYNVTQAF GRRGPEQTQG
NFGDQDLIRQ GTDYKHWPI AQFAPSASAF FGMSRIGMEV TPSGTWLTYPH GAIKLDDKDP
QFKDNVILLN KHIDAYKTFP PTEPKKDKKK KTDEAQPLPQ RQKKQPTVTL 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.