



Synthelis®

Viral Protein

Protein Catalog

N-Protein : Nucleocapsid from Sars-Cov2

S144

Product specification

Acronym: N-Protein

Origin species: Sars-Cov2

Protein reference : P0DTC9 (UniProtKB)
MN908947.3 (GenBank)

Family: viral protein

Expression system: E.coli based CFPS

Format: Soluble

Protein sequence: Met1 - Ala418

Tag : 6 Histidines tag (N-ter)

Cleavage site: Factor Xa

Product MW: 47,7 kDa

Application: Drug screening & discovery, antibody development, structural biology

Product description

The N-protein packages the positive strand viral genome RNA into 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.

Recombinant protein sequence

His tag – factor X cleavage site -

MSDNGPQNQRNAPRITFGGPS DSTG SNQNGERSGARSKQRRPQGLPNNTASWFTALTOHGKEDLKFPRGQGV PIN
TNSSPDDQIGYYRRATRRIRGGDGKMKDLSRWYFYLLGTGPEAGLPYGANKDGIWVATEGALNTPKDHIGTRNP
ANNAIIVLQLPQGTTL PKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSRG TSPARMAGNGGDAALALLLDRLNQ
LESKMSGKGQQQQGQTVTKKSAEASKKPRQKRTATKAYNVTQAFGRRGPEQTQGNFGDQELIROGTDYKHWPOI
AQFAPSASAFFGMSRIGMEVTPSGTWLTYTGAIKLD DDKDPNFKDQVILLNKHIDAYKTFPPTEPKDKKKKKADETQA
LPQRQKKQQTVTLLPAADLDDFSKQLQQSMSSADSTQA



Quality analysis

Purity: > 90% (determined by SDS-Page and Coomassie Blue staining)

Purification procedure: N-protein was purified on a nickel-nitrilotriacetic acid (Ni-NTA) resin. Further purification steps can be performed if required.

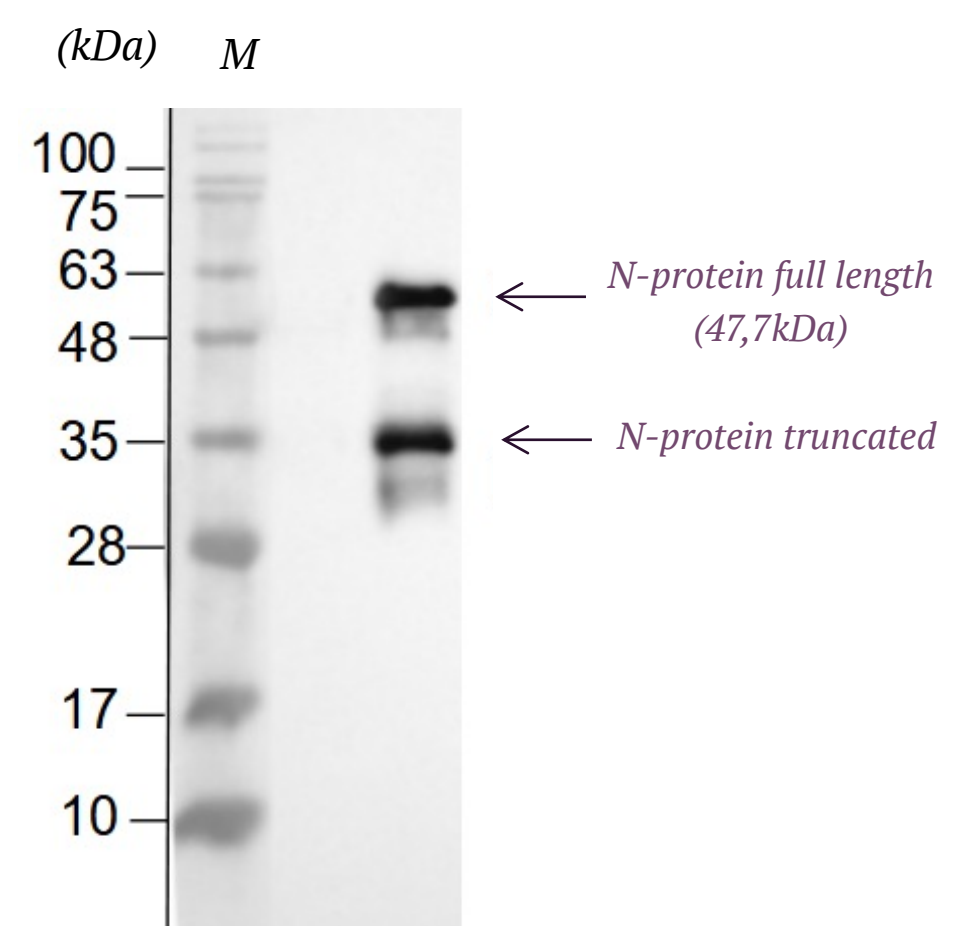


Fig.1: Identification of N-protein by Western Blot using an anti-6xHis

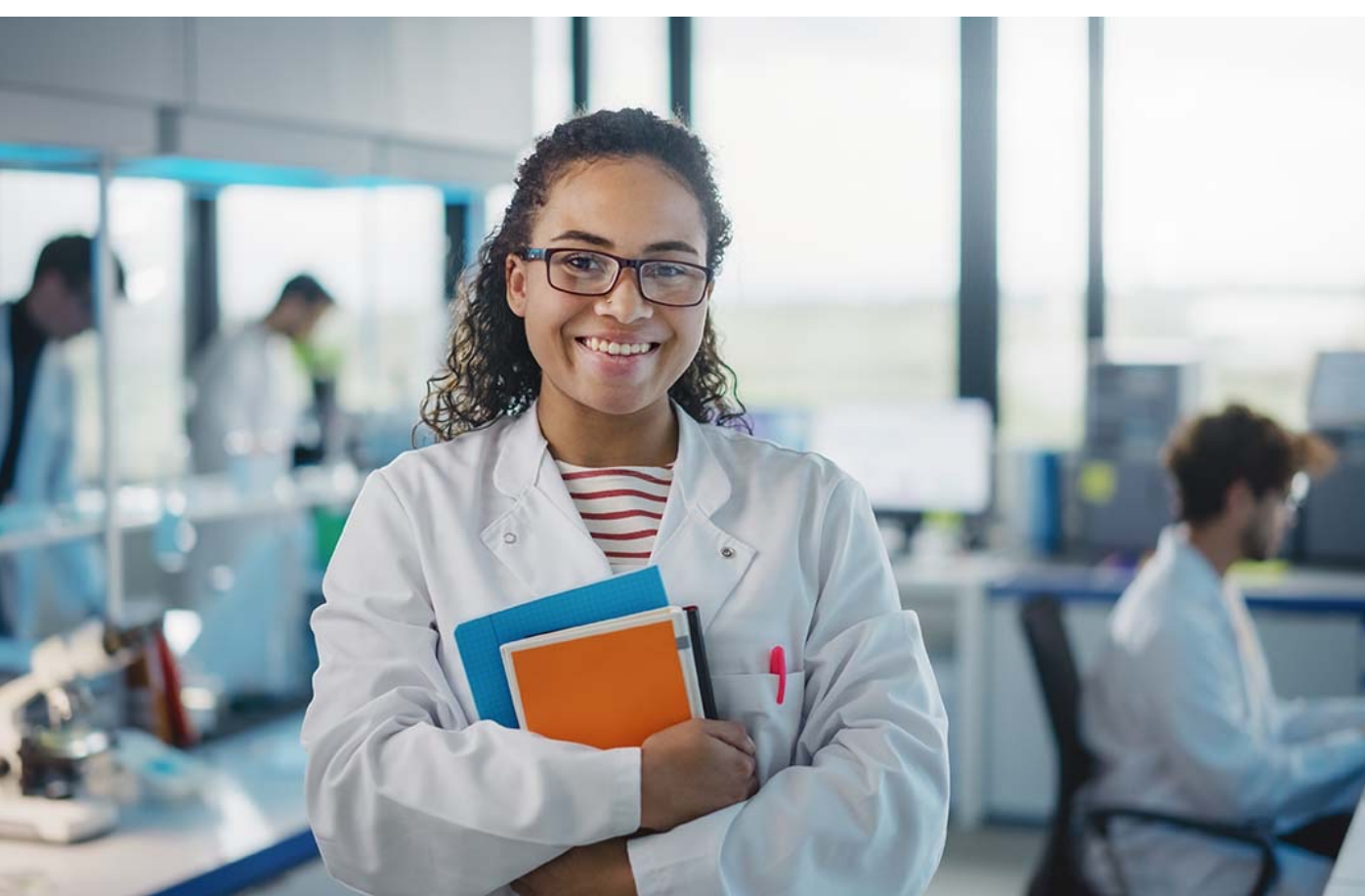
Formulation

Buffer: Available in Tris 50mM, pH 7.5. Other buffers or customized formulation can be provided upon request.

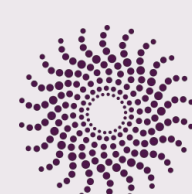
Storage/Stability: Store at +4°C for up to one week or several months at -80°C. Aliquot for storage.
Do not freeze-thaw after aliquoting.

Use restrictions: For life science research use only.

Available sizes: 10 µg, 50 µg, 100 µg, customized quantity on request.



Need a specific amount, a quote or any additional information?
Contact-us



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