

Bovine coronavirus (strain Mebus) Nucleoprotein/NP Protein (His)

General Information

Synonyms: Nucleoprotein;Nucleocapsid protein (NC;Protein N)

Protein Construction: 1-448 aa

Species: BCoV

Expression Host: E. coli

Accession: P10527

Molecular Weight: 55.3 kDa (predicted)

AA Sequence: MSFTPGKQSSSRASFGNRSNGILKWADQSDQSRNVQTRGRRRAQPKQTATSQLPSGGNVVPYYSWFSGIT QFQKGKEFEFAEGQGVPIAPGVPATEAKGYWYRHNRRSFKTADGNQRQLLPRWYFYLLGTGPHAKDQYGT DIDGVFWVASNQADVNTPADILDRDPSSDEAIPTRFPPGTVLPQGYIEGSGRSAPNSRSTSRASSRASSAGS RSRANSGNRTPTSGVTPDMADQIASLVLAKLGKDATKPQQVTKQTAKEIRQKILNKPRQKRSPNKQCTVQQC FGKRGPNQNFGGGEMLLKLTSDPQFPILAEAPTAGAFFGSRLELAKVQNLSGNLDEPQKDVYELRYNGAI RFDSTLSGFETIMKVLNENLNAYQQDGMNMSPKPKRQRGQKNGQGENDNISVAAPKSRVQQNKSREL TAEDISLLKKMDEPYTEDTSEI

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

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. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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