

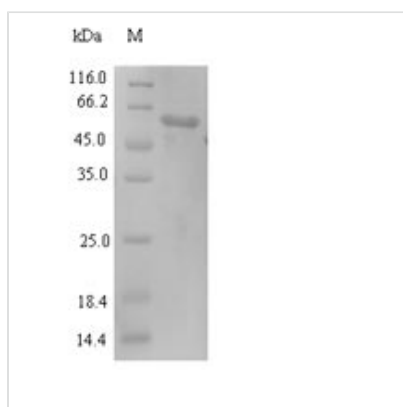


Recombinant Newcastle disease virus Nucleoprotein (N)

Product Code	CSB-EP741755NCT
Relevance	Encapsidates the genome, protecting it from nucleases. The nucleocapsid (NC) has a helical structure. The encapsidated genomic RNA is termed the NC and serves as template for transcription and replication. During replication, encapsidation by N is coupled to RNA synthesis and all replicative products are resistant to nucleases
Abbreviation	Recombinant Newcastle disease virus N protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q77K03
Alias	Nucleocapsid protein Short name: NP Short name: Protein N
Product Type	Recombinant Protein
Immunogen Species	Newcastle disease virus (strain Chicken/United States/B1/48) (NDV)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSSVFDEYEQLLAAQTRPNGAHGGGEKGSTLKVDPVFTLNSDDPEDRWSF VVFCLRIAVSEDANKPLRQGALISLLCSHSQVMRNHVALAGKQNEATLAVLEID GFANGTPQFNRRSGVSEERAQRFAMIAGSLPRACSNGTPTVGTAGAEDDAPED ITDTLERILSIQAQVWVTVAKAMTAYETADESETRRINKYMQQGRVQKKYILYP VCRSTIQLTIRQSLAVRIFLVSELKGRGRNTAGGTSTYYNLVGDVDSYIRNTGLTA FFLTLKYGINTKTSALALSSLSGDIQKMKQLMRLYRMKGDNAPYMTLLGDSQD MSFAPAQYLYSFAMGMASVLDKGTGKYQFAKDFMSTSFWRGVEYAQAQ GSSINEDMAAELKLTPAARRGLAAAAQRVSEVTSSIDMPTQQVGVLTGLSEGG SQALQGGSNRSQQQPEAGDGETQFLDLMRVANSRMREAPNSAQGTPQSGP PPTPGPSQDNDTDWGY
Research Area	Microbiology
Source	E.coli
Target Names	N
Expression Region	1-489aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	57.0kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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