



# Recombinant Measles virus Nucleoprotein (N), partial

<b>Product Code</b>	CSB-BP494341MQM
<b>Relevance</b>	Encapsidates the genome in a ratio of 1 N per 6 ribonucleotides, protecting it from nucleases. The nucleocapsid (NC) has a helical structure with either 12.35 or 11.64 N per turn, approximately 20 nm in diameter, with a hollow central cavity approximately 5 nm in diameter. 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. N is released in the blood following lysis of measles infected cells, it interacts then with human FCGR2B on immune cells, inducing apoptosis and blocking inflammatory immune response. Ntail binds to a protein on human thymic epithelial cells, termed Nucleoprotein Receptor (NR), inducing growth arrest
<b>Abbreviation</b>	Recombinant Measles virus N protein, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	B8PZP3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Measles virus (strain Edmonston-Schwarz vaccine) (MeV) (Subacute sclerose panencephalitis virus)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MATLLRSLALFKRNKDKPPITSGSGGAIRGIKHIIIVPIPGDSSITTRSRLLDRLVR LIGNPDVSGPKLTGALIGILSLFVESPGQLIQRITDDPDVSIRLLEVQSDQSQS GLTFASRGTNMEDEADQYFSHDDPISSDQSRFGWFGNKEISDIEVQDPEGFN MILGTILAQIWVLLAKAVTAPDTAADSELRRWIKYTQRRVVGEFRLERKWLDV VRNRIAEDLSLRRFMVALILDIKRTPGNKPRIAEMICDIDTYIVEAGLASFILTIKFG IETMYPALGLHEFAGELSTLESLMNLQQMGETAPYMVILENSIQNKFSAGSYP LLWSYAMGVGVELENSMGGLNFGRSYFDPAYFRLGQEMVRRSAGKVSSTLA SELGITAEDARLVSEIAMH
<b>Research Area</b>	Others
<b>Source</b>	Baculovirus
<b>Target Names</b>	N
<b>Protein Names</b>	Nucleocapsid protein (NP) (Protein N)
<b>Expression Region</b>	1-400aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

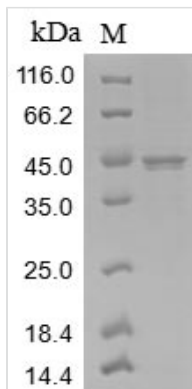


**Tag Info** N-terminal 10xHis-tagged

**Mol. Weight** 46.9 kDa

**Protein Length** Partial

**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** 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.