



Recombinant Measles virus Nucleoprotein (N), partial

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|--------------------------|---|
| Product Code | CSB-BP361386MCQ |
| Relevance | 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. |
| Abbreviation | Recombinant Measles virus N protein, partial |
| 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. | P04851 |
| Product Type | Recombinant Protein |
| Immunogen Species | Measles virus (strain Edmonston) (MeV) (Subacute sclerose panencephalitis virus) |
| Purity | ≥ 85% as determined by SDS-PAGE. |
| Sequence | MATLLRSLALFKRNKDKPPITSGSGGGAIRGIKHIIIVPIPGDSSITTRSRLLDRLVR LIGNPDVSGPKLTGALIGILSLFVESPGQLIQRITDDPDVSIRLLEVVQSDQSQS GLTFASRGTNMEDEADQYFSHDDPISSDQSRFGWFENKEISDIEVQDPEGFN MILGTILAQIWVLLAKAVTAPDTAADSELRRWIKYTTQRRVVGEFRLERKWLVDV VRNIIAEDLSLRRFMVALILDIKRTPGNKPRIAEMICDIDTYIVEAGLASFILTIKFGI ETMYPALGLHEFAGELSTLESMLNLYQQMGKPAPYMVNLENSIQNKFSAGSY PLLWSYAMGVGVELENSMGGLNFGRSYFDPAYFRLGQEMVRRSAGKVSSTL ASELGITAEDARLVSEIAMH |
| Research Area | Others |
| Source | Baculovirus |
| Target Names | N |
| Protein Names | Nucleocapsid protein Short name: NP Short name: Protein N |
| Expression Region | 1-400aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

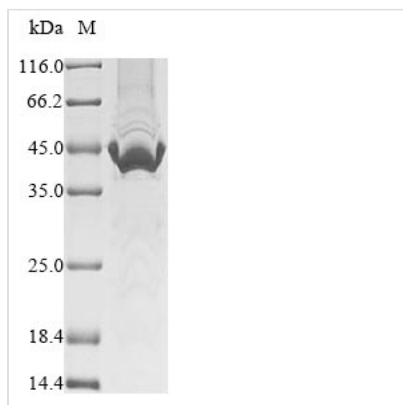


Tag Info N-terminal 10xHis-tagged

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

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