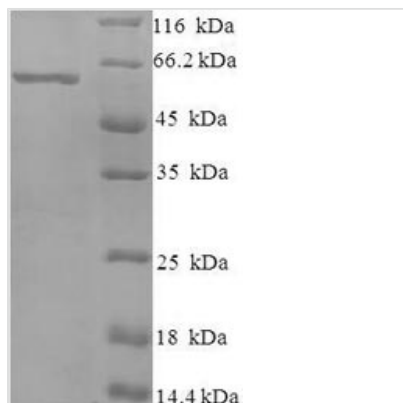


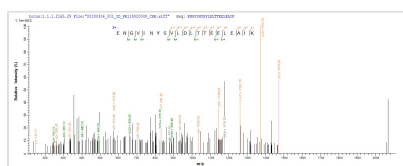


# Recombinant Bovine respiratory syncytial virus Nucleoprotein (N)

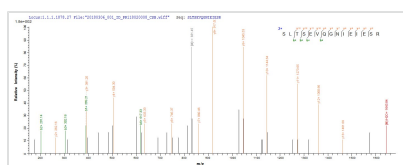
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP339612BKT                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Relevance</b>         | 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 .                                                                                             |
| <b>Abbreviation</b>      | Recombinant Bovine respiratory syncytial virus N protein                                                                                                                                                                                                                                                                                                                                                                               |
| <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>       | P35943                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Alias</b>             | Nucleocapsid protein                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen Species</b> | Bos taurus (Bovine)                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>            | ≥ 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Sequence</b>          | MALSKVKLNDTFNKDQLLSTSKYTIQRSTGDNIDIPNYDVQKHLNKL CGM LLITE<br>DANHKFTGLIGMLYAMSRLGREDTLKILKDAGYQVRANGVDVITHRQDVNGKE<br>MKFEVLTLVSLTSEVQGNIEIESRKSYYKMLKEMGEVAPEYRHDFPDCGMIVL<br>CVAALVITKLAAGDRSGLTAVIRRANNVLRNEMKRYKGLIPKDIANSFYEVFEKY<br>PHYIDVFVHFGIAQSSTRGGS RVEGIFAGLFMNAYGAGQVMLRWGVLAKSVK<br>NIMLGHASVQAEMEQVVEVYEYAQKLGGEAGFYHILNNPKASLLSLTQFPNFS<br>SVVLGNAAGLGIMGEYRGTPRNQDLYDAAKAYAEQLKENGVINYSVLDLTTEE<br>LEAIKNQLNPKDNDVEL |
| <b>Research Area</b>     | Others                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Target Names</b>      | N                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Expression Region</b> | 1-391aa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                    |
| <b>Tag Info</b>          | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Mol. Weight</b>       | 59.6kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Length</b>    | Full Length                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                        |



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP339612BKT could indicate that this peptide derived from E.coli-expressed Bos taurus (Bovine) N.



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## 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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