

# Recombinant Human CRMP1 Protein, His-tagged

**Cat. No.** CRMP1-635H    **Lot. No.** (See product label)

## SPECIFICATION

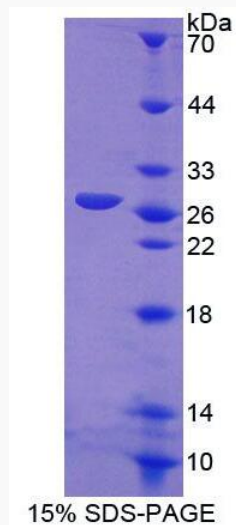
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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CRMP1(Met1~Val250) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Met1~Val250                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 31.1kDa                                                                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein                                                                                                                                                                                                                                       |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | Reconstitute in PBS or others                                                                                                                                                                                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | CRMP1 collapsin response mediator protein 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>  | CRMP1                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | CRMP1; collapsin response mediator protein 1; dihydropyrimidinase-related protein 1; DPYSL1; DRP 1; dihydropyrimidinase-like 1; unc-33-like phosphoprotein 3; dihydropyrimidinase related protein-1; DRP1; DRP-1; CRMP-1; ULIP-3;                                                                                                            |
| <b>Gene ID</b>          | 1400                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_001014809                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001014809                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>              | 602462                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | Q14194                                                                                                                                                                                                                                                                                                                                       |



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