

# Recombinant Human collapsin response mediator protein 1 protein, His tagged

**Cat. No.** CRMP1-12HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human CRMP1 (1-572 aa), fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-572 aa                                                                                                                                                                                                                                                                                                                                                  |
| <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>Tag</b>              | N-His                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 64.8 kDa (597aa)                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGSSHHHHHHSSGLVPRGSHMGSEFMSYQGKKSI PHITSDRLLIKGGRIINDDQSLY<br>ADVLYEDGLIKQIGENLIVPGGVKTIEANGRMVIPGGIDVNTYLQKPSQGMTAADDFF<br>QGTRAALVGGTTMIIDHVVPEPGSSLLTSFEKWHEAADTKSCCDYSLHVDITSWYDG                                                                                                                                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VREELEVLVQDKGVNSFQVYMAKDVYQMSDSQLYEFTFLKGLGAVILVHAENG  
LIAQEQKRILEMGITGPEGHALSRPEELEAEAVFRAITIAGRINCPVYITKVMSKSAADII  
ALARKKGPLVFGPIAASLGTDGTHYWSKNWAKAAAFVTSPPLSPDPTTPDYLTSL  
ACGDLQVTGSGHCPYSTAQKAVGKDNFTLIPEGVNGIEERMTVVWDKAVATGKMD  
ENQFVAVTSTNAAKIFNLVPRKGRIAVGSDADVWDPDKLKTITAKSHKSAVEYNIFE  
GMECHGSPLVVISQGKIVFEDGNINVNKGMGRFIPRKAFPEHLYQRVKIRNKVFGQLQ  
GVSRGMYDGPVYEVPAATPKYATPAPSAKSSPSKHQPPPIRNLHQS NFSLSGAQIDD  
NNPRRTGHRIVAPPGGRSNITSLG

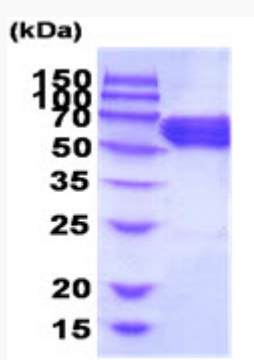
|                       |                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1 EU/μg by LAL                                                                                                                                                |
| <b>Purity</b>         | > 95% by SDS-PAGE                                                                                                                                               |
| <b>Applications</b>   | SDS-PAGE                                                                                                                                                        |
| <b>Notes</b>          | For research use only. This product is not intended or approved for human, diagnostics or veterinary use.                                                       |
| <b>Storage</b>        | Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles. |
| <b>Storage Buffer</b> | Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT, 0.2mM PMSF                                                                                 |
| <b>Concentration</b>  | 1 mg/mL (determined by Bradford assay)                                                                                                                          |
| <b>Reference</b>      | 1. Shih J.-Y. et al. (2001) J. Natl. Cancer Inst. 93:1392-1400.<br>2. Chen T.C. et al. (2009) J. Proteome Res. 8:4943-4953.                                     |

## GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                        |                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CRMP1 collapsin response mediator protein 1 [ Homo sapiens (human) ]                                                                                                                                                             |
| <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_001313                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_001304                                                                                                                                                                                                                        |
| <b>MIM</b>             | 602462                                                                                                                                                                                                                           |
| <b>UniProt ID</b>      | Q14194                                                                                                                                                                                                                           |
| <b>SDS-PAGE</b>        |  <p>15% SDS-PAGE (3ug)</p> <p>3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.</p>                          |