

Recombinant Human collapsin response mediator protein 1 protein, His tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-572 aa
Description	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.
Tag	N-His
Form	Liquid
Molecular Mass	64.8 kDa (597aa)
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSEFMSYQGKKSI PHITSDRLLIKGGRIINDDQSLY ADVLYEDGLIKQIGENLIVPGGVKTIEANGRMVIPGGIDVNTYLQKPSQGMTAADDFF QGTRAALVGGTTMIIDHVVPEPGSSLLTSFEKWHEAADTKSCCDYSLHVDITSWYDG

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VREELEVLVQDKGVNSFQVYMAKDVYQMSDSQLYEFTFLKGLGAVILVHAENG
LIAQEQKRILEMGITGPEGHALSRPEELEAEAVFRAITIAGRINCPVYITKVMSKSAADII
ALARKKGPLVFGPIAASLGTDGTHYWSKNWAKAAAFVTSPPLSPDPTTPDYLTSL
ACGDLQVTGSGHCPYSTAQKAVGKDNFTLIPEGVNGIEERMTVVWDKAVATGKMD
ENQFVAVTSTNAKIFNLVPRKGRIAVGSDADVWDPDKLKTITAKSHKSAVEYNIFE
GMECHGSPLVVISQGKIVFEDGNINVNKGMGRFIPRKAFPEHLYQRVKIRNKVFGQLQ
GVSRGMYDGPVYEVPAATPKYATPAPSAKSSPSKHQPPPIRNLHQS NFSLSGAQIDD
NNPRRTGHRIVAPPGGRSNITSLG

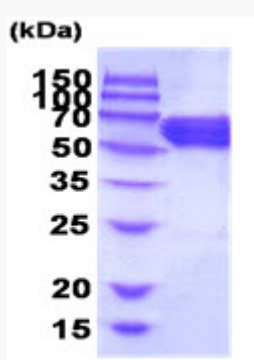
Endotoxin	< 1 EU/μg by LAL
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade.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

GENE INFORMATION

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Gene Name	CRMP1 collapsin response mediator protein 1 [Homo sapiens (human)]
Official Symbol	CRMP1
Synonyms	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
Gene ID	1400
mRNA Refseq	NM_001313
Protein Refseq	NP_001304
MIM	602462
UniProt ID	Q14194
SDS-PAGE	 15% SDS-PAGE (3ug) 3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.