

Recombinant Full Length Human CRMP1 Protein, C-Flag-tagged

Cat. No. CRMP1-524HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CRMP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	62 kDa
AA Sequence	MSYQGKKSIPIHITSRLLIKGGRIINDDQSLYADVLEDGLIKQIGENLIVPGGVKTIEA NGRMVIPGGI DVNTYLQKPSQGMTAADDFFQGTRAALVGGTTMIIDHVVPEPGSSL LTSFEKWHEAADTKSCCDYSLHVD ITSWYDGVREELEVLVQDKGVNSFQVYIMAYK DVYQMSDSQLYEAFITFLKGLGAVILVHAENGDLIAQEQK RILEMGITGPEGHALSRP EELEAEAVFRAITIAGRINCPVYITKVMKSAADIILARKKGPLVFGEPIA ASLGTGDT HYWSKNWAKAAAFVTSPPLSPDPTTPDYLTSLACGDLQVTGSGHCPYSTAQKAV GKDNFTL IPEGVNGIEERMTVVWDKAVATGKMDENQFVAVTSTNAAKIFNLYPRKG

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

RIAVGSDADVVIWDPDKLTI TAKSHKSAVEYNIFEGMECHGSPLVVISQGKIVFEDG
 NINVNKGMRFPKAFPEHLYQVRKIRNKVFG LQGVSRGMYDGPVYEVPATPKYA
 TPAPSAKSSPSKHQPPPIRNLHQS NFSLSGAQIDDNNPRRTGHRIVA
 PPGGRSNITSLGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	CRMP1 collapsin response mediator protein 1 [Homo sapiens (human)]
Official Symbol	CRMP1
Synonyms	DRP1; DRP-1; CRMP-1; DPYSL1; ULIP-3
Gene ID	1400
mRNA Refseq	NM_001313.5

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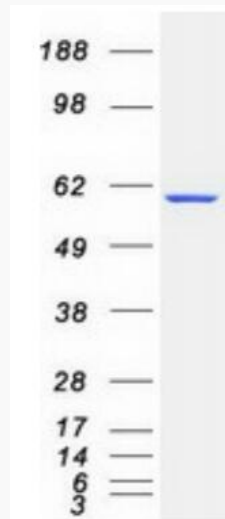
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Protein Refseq NP_001304.1

MIM 602462

UniProt ID Q14194



Coomassie blue staining of purified CRMP1 protein.

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