

Product datasheet for TP509012

Crmp1 (NM_007765) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse collapsin response mediator protein 1 (Crmp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209012 representing NM_007765 Red=Cloning site Green=Tags(s)

MSHQGKKSIPHITSDRLLIRGGRIINDDQSFYADVLEDGLIKQIGENLIVPGGVKTIENGRMVIPGGI
DVNTYLQKPSQGMTSADFFQGTKAALAGGTTMIIDHVVPEPGSSLLTSFEKWHEAADTKSCCDYSLHVD
ITSWYDGVREELEVLVQDKGVNSFQVYMAYKDLYQMSDSQLYEFTFLKGLGAVILVHAENGLIAQEOK
RILEMGITGPEGHALSRPEELEAEAVFRAIAIAGRINCPVYITKVMKSAADIILARKKGPLVFGPIA
ASLGTGDGTHYWSKNWAKAAAFVTSPLSPDPTTPDYLTSLACGDLQVTGSGHCPYSTAQKAVGKDNFTL
IPEGVNGIEERMTVVWDKAVATGKMDENQFVAVTSTNAAKIFNLYPRKGRIAVGSDADVIWDPDKMKT
TAKSHKSTVEYNIFEGMECHGSPLVVISQGVKIVFEDGNISVSKGMGRFIPRKPPEHLYQVRIRSKVFG
LHSVSRGMYDGPVYEVPAKHAAPSAKSSPSKHQPPPIRNLHQSNSLSGAQIDDNNPRRTGHRIVA
PPGGRSNITSLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	62.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_031791](#)

Locus ID: 12933

UniProt ID: [P97427](#)

RefSeq Size: 2968

Cytogenetics: 5 19.96 cM

RefSeq ORF: 1716

Synonyms: CRMP-1; Dpysl1; DRP; DRP-1; UI; ULIP-3; Ulip3

Summary: This gene encodes a protein that is part of the collapsin response mediator protein family. The family is comprised of five, homologous cytosolic phosphoproteins that are expressed in developing and adult nervous tissue and mediate signaling to transduce responses to extracellular cues. This protein is a Semaphorin 3A signaling molecule that regulates collapse of the growth cone. The growth cone mediates axonal pathfinding in neurons. This protein is reported to represent a new class of microtubule-associated proteins. In humans this protein is reported to inhibit cancer cell invasion. In mouse deficiency of this gene may be associated with impaired spatial memory performance. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]