

Datasheet for ABIN7547191

CRMP1 Protein (AA 1-572) (His tag)



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Overview

Quantity:	1 mg
Target:	CRMP1
Protein Characteristics:	AA 1-572
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRMP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CRMP1 Protein expressed in mammalian cells.
Sequence:	<p>MSYQGKK SIP HITS DRLLIK GGRIINDDQS LYADVLEDG LIQIGENLI VPGGVKTIEA</p> <p>NGRMVIPGGI DVNTYLQKPS QGMTAADDFF QGTRAAALVGG TTMIDHVVP EPGSSLLTSF</p> <p>EKWHEAADTK SCCDYS LHVD ITSWYDGVRE ELEV LVQDKG VNSFQVYMAY KD VYQMSDSQ</p> <p>LYEAF TFLKG LGAVILVHAE NGDLIAEQK RILEMGITGP EGHALSRPEE LEAEAVFRAI</p> <p>TIAGRINCPV YITKVMSKSA ADIALARKK GPLVFGPIA ASLGT DGTHY WSKNWAKAAA</p> <p>FVTSPPLSPD PTTPDYLTSL LACGDLQVTG SGHCPYSTAQ KAVGKDNFTL IPEGVNGIEE</p> <p>RMTVVWDKAV ATGKMDENQF VAVTSTNAAK IFNLYPRKGR IAVGSDADV IWD PDKLKT I</p> <p>TAKSHKSAVE YNIFEGMECH GSPLVVISQG KIVFEDGNIN VNKG MGRFIP RKA FPEHLYQ</p> <p>RVKIRNKVFG LQGVSRGMYD GPVYEV PATP KYATPAPSAK SSPSKHQPPP IRNLHQSNFS</p> <p>LGAQID DNN PRRTGHRIVA PPGGRSNITS LG</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please</p>

contact us.

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CRMP1
Alternative Name:	CRMP1 (CRMP1 Products)
Background:	<p>Dihydropyrimidinase-related protein 1 (DRP-1) (Collapsin response mediator protein 1) (CRMP-1) (Inactive dihydropyrimidinase) (Unc-33-like phosphoprotein 3) (ULIP-3),FUNCTION: Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton (PubMed:25358863). Plays a role in axon guidance (PubMed:25358863). During the axon guidance process, acts downstream of SEMA3A to promote FLNA dissociation from F-actin which results in the rearrangement of the actin cytoskeleton and the collapse of the growth cone (PubMed:25358863). Involved in invasive growth and cell migration (PubMed:11562390). May participate in cytokinesis (PubMed:19799413).</p> <p>{ECO:0000269 PubMed:11562390, ECO:0000269 PubMed:19799413, ECO:0000269 PubMed:25358863}.</p>

Target Details

Molecular Weight: 62.2 kDa

UniProt: [Q14194](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months