



Recombinant Human Dihydropyrimidinase-related protein 1 (CRMP1)

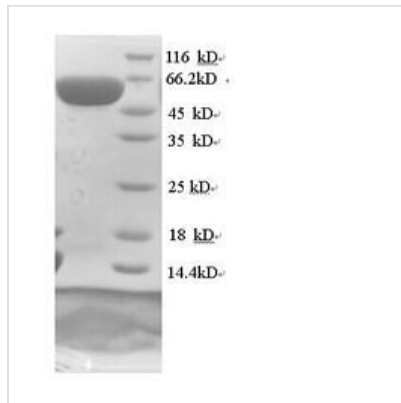
Product Code	CSB-YP623907HU
Relevance	Necessary for signaling by class 3 saphorins and subsequent rodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. May participate in cytokinesis.
Abbreviation	Recombinant Human CRMP1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q14194
Alias	Collapsin response mediator protein 1 ;CRMP-1Unc-33-like phosphoprotein 3 ;ULIP-3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSYQGKKSIPHITSDRLLIKGGRIINDDQSLYADVYLEDGLIKQIGENLIVPGGVK TIEANGRMVIPGGIDVNTYLQKPSQGMATAADFFQGTAAALVGGTTMIIDHVVP EPGSSLLTSFEKWHEAADTKSCCDYSLHVDITSWYDGVREELEVLVQDKGVN SFQVYMAKDVYQMSDSQLYEAFITFLKGLGAVILVHAENGDLIAQEQRILEM GITGPEGHALSRPEELEAEAVFRAITAGRINCPVYITKVMSKSAADIALARKKG PLVFGEPIAASLGTGTHYWSKNWAKAAAFVTSPPLSPDPTTPDYLTSLACG DLQVTGSGHCPYSTAQKAVGKDNFTLIPEGVNGIEERMTVVWDKAVATGKMD ENQFVAVTSTNAAKIFNLYPRKGRIAVGSDADVVIWDPDKLKTITAKSHKSAVE YNIFEGMECHGSPLVVISQGKIVFEDGNINVNKGMRIFIPRKAFPEHLYQRVKI RNKVFGGLQGVSRGMYDGPVYEVPAATPKYATPAPSAKSSPSKHQPPPIRNLHQ SNFSLSGAQIDDNNPRRTGHRIVAPPGGRSNITSLG
Research Area	Neuroscience
Source	Yeast
Target Names	CRMP1
Protein Names	Recommended name: Dihydropyrimidinase-related protein 1 Short name= DRP-1 Alternative name(s): Collapsin response mediator protein 1 Short name= CRMP-1 Unc-33-like phosphoprotein 3 Short name= ULIP-3
Expression Region	1-572aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 64.2kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Enhance your neuroscience research with our Recombinant Human CRMP1 protein, an essential component in axonal growth and guidance. CRMP1, or Collapsin response mediator protein 1, is a member of the dihydropyrimidinase-related protein family and plays a pivotal role in neuronal development and function, including processes such as neuronal differentiation, axon guidance, and growth cone collapse.

Produced in a yeast expression system, our Recombinant Human CRMP1 protein encompasses the full-length protein (1-572aa) and includes an N-terminal 6xHis tag for ease of purification and detection. With a purity greater than 90% as determined by SDS-PAGE, this high-quality protein is suitable for a wide range of applications in the neuroscience field. Available in both liquid and lyophilized powder forms, you can select the format that best fits your research requirements and experimental design.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.