

CRMP1 Protein, Human, Recombinant

General Information

Synonyms:	DPYSL1;DRP-1;Inactive dihydropyrimidinase;Collapsin response mediator protein 1 (CRMP-1);CRMP1;Unc-33-like phosphoprotein 3 (ULIP-3);Dihydropyrimidinase-related protein 1; ULIP3
Protein Construction:	1-572 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q14194
Molecular Weight:	62.2 kDa (predicted)
AA Sequence:	MSYQGKKSIPHITSDRLLIKGGRIINDDQSLYADVLEDGLIKQIGENLIVPGGVKTIEANGRMVIPGGIDVNTYL QKPSQGMTAADDFFQGTAAALVGGTTMIIDHVVPEPGSSLLTSFEKWHEAADTKSCCDYSLHVDITSWYDGV REELEVLVQDKGVNSFQVYMAYKDVYQMSDSQLYEAFFLKGLGAVILVHAENGLIAQEQRILEMGITGPE GHALSRPEELEAEAVFRAITIAGRINCPVYITKVMKSAADIILARKKGPLVFGPIAASLGTGTHYWSKNWA KAAAFVTSPLSPDPTTPDYLTSLACGDLQVTGSGHCPYSTAQKAVGKDNFTLIPEGVNGIEERMTVVWDKA VATGKMDENQFVAVTSTNAAKIFNLYPRKGRIAVGSDADVIVDPDKLKTITAKSHKSAVEYNIFEGMECHGS PLVVISQKIVFEDGNINVNKGMGRFIPKAFPEHLYQRVKIRNKVFLQGVSRGMYDGPVYEV PATPKYATP APSAKSSPSKHQPPPIRNLHQS NFSLSGAQIDDDNNPRRTGHRIVAPPGGRSNITSLG

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance. 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. Involved in invasive growth and cell migration. May participate in cytokinesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481