

**CRMP1, 1-572aa, , Human, His tag, E.coli**

**Cat.NO.: TP01717**

3th Edition

**Synonyms:**Dihydropyrimidinase-related protein 1 isoform2, CRMP-1, DPYSL1, DRP-1, DRP1, uLIP-3

**Description:**CRMP1 also known as Dihydropyrimidinase-related protein 1 isoform2. It is necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. It plays a role in axon guidance, invasive growth and cell migration and may participate in cytokinesis. Recombinant human CRMP1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT, 0.2mM PMSF

**Molecular Weight:**64.8kDa (597aa) Multiple bands

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSEFMSYQGKKSIPHITSDRLLIKGGRIINDDQSLYADVYLEDGLIKQIGENLIVPG  
GVKTIEANGRMVIPGGIDVNTYLQKPSQGMTAADDFQGTAAALVGGTTMIIDHVPEPGSSLLTSFEKWHEAADT  
KSCCDYSLHVDITSWYDGVREELEVLVQDKGVNSFQVYMAKDVYQMSDSQLYEAFITFLKGLGAVILVHAENGDLI  
AQEQKRILEMGITGPEGHALSRPEELEAEAVFRAITIAGRINCPVYITKVMKSAADIIALARKKGPLVFGPIAASLGT  
DGTHYWSKNWAKAAAFVTSPPLSPDPTTPDYLTSLACGDLQVTGSGHCPYSTAQKAVGKDNFTLIPEGVNGIEER  
MTVVWDKAVATGKMDENQFVAVTSTNAAKIFNLYPRKGRIAVGSDADVVIWDPDKLKTITAKSHKSAVEYNIFEGME  
CHGSPLVVISQKIVFEDGNINVNKGMGRFIPRKAFPEHLYQRVKIRNKVFLQGVSRGMYDGPVYEVPAATPKYAT  
PAPSAKSSPSKHQPPPIRNLHQSNSFSLSGAQIDDNNPRRTGHRIVAPPGGRSNITSLG

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.