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32-13167: CRMP1 Mouse

Alternative Name : Dihydropyrimidinase-related protein 1, DRP-1, Collapsin response mediator protein 1, CRMP-1, Unc-33-like phosphoprotein 3, ULIP-3.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
Collapsin response mediator proteins (CRMPs) are cytosolic phosphoproteins involved in neuronal differentiation as well as axonal guidance. CRMP2 was previously shown to mediate the repulsive effect of Sema3A on axons and to participate in axonal specification. The X-ray crystal structure of murine CRMP1 was determined at 2.1 resolution and demonstrates that CRMP1 is a bilobed Â‘lung-shapedÂ’ protein forming a tetrameric assembly.
CRMP1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 597 amino acids (1-572 a.a) and having a molecular mass of 64.8kDa.CRMP1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CRMP1 protein solution (0.25mg/ml) contains 40% glycerol, 20mM Tris-HCl (pH 8.5), 0.2M NaCl & 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSEFMSHQG KKSIPHITSD RLLIRGGRII NDDQSFYADV YLEDGLIKQI GENLIVPGGV KTIEANGRMV IPGGIDVNTY LQKPSQGMTS ADDFFQGTKA ALAGGTTMII DHVVPEPGSS LLTSFEKWHE AADTKSCCDY SLHVDITSWY DGVREELEVL VQDKGVNSFQ VYMAYKDLYQ MSDSQLYEAF TFLKGLGAVI LVHAENGDLI AQEQKRILEM GITGPEGHAL SRPEELEAEA VFRAIAIAGR INCPVYITKV MSKSAADIIA LARKKGPLVF GEPIAASLGT DGTHYWSKNW AKAAAFVTSP PLSPDPTTPD YLTSLLACGD LQVTGSGHCP YSTAQKAVGK DNFTLIPEGV NGIEERMTVV WDKAVATGKM DENQFVAVTS TNAAKIFNLY PRKGRIAVGS DADVVIWDPD KMKTITAKSH KSTVEYNIFE GMECHGSPLV VISQGKIVFE DGNISVSKGM GRFIPRKPFP EHLYQRVRIR SKVFGLHSVS RGMYDGPVYE VPATPKHAAP APSAKSSPSK HQPPPIRNLH QSNFSLSGAQ IDDNNPRRTG HRIVAPPGGR SNITSLG.