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# 32-3601: CRMP-1 Recombinant Protein

**Alternative Name :** Dihydropyrimidinase-related protein 1,DRP-1,Collapsin response mediator protein 1,CRMP-1,CRMP1,DPYSL1,DRP1.

## Description

Source : Escherichia Coli. CRMP1 Human 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 (Will appear as multiple bands on SDS-PAGE).CRMP1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Collapsin response mediator proteins (CRMPs) are cytosolic phosphoproteins involved in neuronal differentiation and 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 'lung-shaped' protein forming a tetrameric assembly.

## Product Info

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| **Amount :** | 20 µg |
| **Purification :** | Greater than 95.0% as determined by SDS-PAGE. |
| **Content :** | CRMP1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol, 1mM DTT and 0.2mM 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 MGSEFMSYQG KKSIPHITSD RLLIKGGRII NDDQSLYADV YLEDGLIKQI GENLIVPGGV KTIEANGRMV IPGGIDVNTY LQKPSQGMTA ADDFFQGTRA ALVGGTTMII DHVVPEPGSS LLTSFEKWHE AADTKSCCDY SLHVDITSWY DGVREELEVL VQDKGVNSFQ VYMAYKDVYQ MSDSQLYEAF TFLKGLGAVI LVHAENGDLI AQEQKRILEM GITGPEGHAL SRPEELEAEA VFRAITIAGR INCPVYITKV MSKSAADIIA LARKKGPLVF GEPIAASLGT DGTHYWSKNW AKAAAFVTSP PLSPDPTTPD YLTSLLACGD LQVTGSGHCP YSTAQKAVGK DNFTLIPEGV NGIEERMTVV WDKAVATGKM DENQFVAVTS TNAAKIFNLY PRKGRIAVGS DADVVIWDPD KLKTITAKSH KSAVEYNIFE GMECHGSPLV VISQGKIVFE DGNINVNKGM GRFIPRKAFP EHLYQRVKIR NKVFGLQGVS RGMYDGPVYE VPATPKYATP APSAKSSPSK HQPPPIRNLH QSNFSLSGAQ IDDNNPRRTG HRIVAPPGGR SNITSLG. |

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