9051 Mira Mesa Blvd, #910094
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CRMP1 Mouse

Collapsin Response Mediator Protein-1 Mouse Recombinant
RCP0532

Product Overview

Name	CRMP1 Mouse

Description

Collapsin Response Mediator Protein-1 Mouse Recombinant

Accession (Primary)	P97427

Synonyms

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

Introduction

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 ‘lung-shaped’ protein forming a tetrameric assembly.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

CRMP1 protein solution (0.25mg/ml) contains 40% glycerol, 20mM Tris-HCl (pH 8.5), 0.2M NaCl & 0.1mM PMSF.

Stability

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSEF MSHQG 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

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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.

Precautions

CRMP1 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P97427)