

Recombinant mouse CRMP1 protein

Catalog Number: ATGP3744

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-572aa

UniProt No.

P97427

NCBI Accession No.

NP_031791

Alternative Names

Collapsin response mediator protein 1 isoform 2, CRMP-1, Dpysl1, DRP-1, ULIP-3, ULip3, Dihydropyrimidinase-related protein 1, DRP-1, Inactive dihydropyrimidinase, Unc-33-like phosphoprotein 3

PRODUCT SPECIFICATION

Molecular Weight

64.8 kDa (597aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 40% glycerol, 0.2M NaCl, 0.1mM PMSF

Purity

> 90% by SDS-PAGE

Endotoxin level

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Crmp1, also known as Collapsin response mediator protein 1, 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 mouse Crmp1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSEFMSHQG KKSIPHITSD RLLIRGGRII NDDQSFYADV YLEDGLIKQI GENLIVPGGV
KTIEANGRMV IPGGIDVNTY LQKPSQGMTS ADDFFQGTKA ALAGGTTMII DHVVPEPGSS LLTSFEKWHE AADTKSCCDY
SLHVDITSWY DGVREELEVL VQDKGVNSFQ VYMAYKDLYQ MSDSQLYEF 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 VISQKIVFE
DGNISVSKGM GRFIPRKFPF EHLYQVRIR SKVFGLHSVS RGMVDGPVYE VPATPKHAAP APSAKSSPSK HQPPPIRNLH
QSNFSLSGAQ IDDNNPRRTG HRIVAPGGR SNITSLG

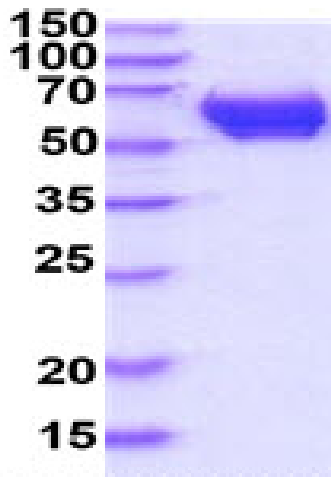
General References

Shih JY., et al. (2001) J Natl cancer Inst. 93(18):1392-400.
Chen TC., et al. (2009) J Proteome Res. 8(11):4943-53.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)