

Product datasheet for PH309080

CRMP2 (DPYSL2) (NM_001386) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DPYSL2 MS Standard C13 and N15-labeled recombinant protein (NP_001377)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209080
Predicted MW:	62.3 kDa
Protein Sequence:	>RC209080 protein sequence Red=Cloning site Green=Tags(s)

MSYQGKKNIPRITSDRLLIKGGKIVNDDQSFYADIYMEDGLIKQIGENLIVPGGVKTIEAHSRMVIPGGI
DVHTRFQMPDQGMTSADDFQGTKAALAGTTMIIDHVPEPGTSLAAFDQWREWADSKSCCDYSLHVD
ISEWHKGIQEEMEALVKDHGVNSFLVYMAFKDRFQLTDCQIYEVLVIRDIGAIAQVHAENGDIIEEQQ
RILDGLITGPEGHVLSPREEVEAEAVNRAITIANQTNCPLYITKVMSSSAEVIAQARKKGTVVYGEPI
ASLGTGSHYWSKNWAKAAAFVTSPLSPDPTPDFLNSLLSCGDLQVTGSAHCTFNTAQKAVGKDNFTL
IPEGTNGTEERMSVIWDKAVVTGKMDENQFVAVTSTNAKVFNLYPRKGRIVAGSDADLVIWDPDSVKTI
SAKTHNSSLEYNIFEGMECRGSPLVVISQGKIVLEDGTLHVTEGSGRYIPRKPFPDFVYKRIKARSRLAE
LRGVPRGLYDGPVCEVSVTPKTVTPASSAKTSPAKQQAPPVRLHQSGFSLSGAQIDDNI PRRTTQRIVA
PPGGRANITSLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001377</u>
RefSeq Size:	4638
RefSeq ORF:	1716



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Synonyms: CRMP-2; CRMP2; DHPRP2; DRP-2; DRP2; N2A3; ULIP-2; ULIP2

Locus ID: 1808

UniProt ID: [Q16555](#)

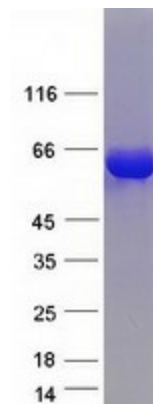
Cytogenetics: 8p21.2

Summary: This gene encodes a member of the collapsin response mediator protein family. Collapsin response mediator proteins form homo- and hetero-tetramers and facilitate neuron guidance, growth and polarity. The encoded protein promotes microtubule assembly and is required for Sema3A-mediated growth cone collapse, and also plays a role in synaptic signaling through interactions with calcium channels. This gene has been implicated in multiple neurological disorders, and hyperphosphorylation of the encoded protein may play a key role in the development of Alzheimer's disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]

Protein Families: Druggable Genome

Protein Pathways: Axon guidance

Product images:



Coomassie blue staining of purified DPYSL2 protein (Cat# [TP309080]). The protein was produced from HEK293T cells transfected with DPYSL2 cDNA clone (Cat# [RC209080]) using MegaTran 2.0 (Cat# [TT210002]).