

Active Recombinant Full Length Human DPYSL2 Protein, C-Flag-tagged

Cat. No. DPYSL2-42HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DPYSL2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	WB positive control
Molecular Mass	62.1 kDa
AA Sequence	MSYQGKKNIPRITSDRLLIKGGKIVNDDQSFYADIYMEDGLIKQIGENLIVPGGVKTIEA

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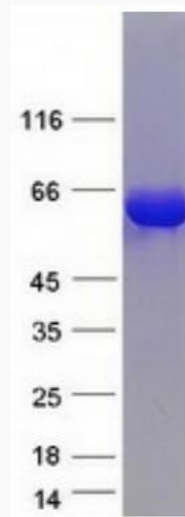
 45-1 Ramsey Road, Shirley, NY 11967, USA

HSRMVIPGGI DVHTRFQMPDQGMTSADDDFFQGTKAALAGGTTMIIDHVPEPGTSL
 LAAFDQWREWADSKSCCDYSLHVD ISEWHKGIQEEMEALVKDHGVNSFLVYMAFK
 DRFQLTDCQIYEVL SVIRDIGAIQVHAENGDIIEEQQ RILDLGITGPEGHVLSRPEE
 VEAEAVNRAITIANQTNCPYITKVMSSAEVIAQARKKGTVVYGEPI ASLGTGDS
 HYWSKNWAKAAAFVTSPPLSPDPTTDFLNSLLSCGDLQVTGSAHCTFNTAQKAVG
 KDNFTL IPEGTNGTEERM SVIWDKAVVTGKMDENQFVAVTSTNAKVFNLYPRKGR
 IAVGSDADLVIWDPDSVKTI SAKTHNSSLEYNIFEGMECRGSPLVVISQGKIVLEDGT
 LHVTEGSGRYIPRKPFDFVYKRIKARSRLAE LRGVPRGLYDGPVCEVSVTPKTVTP
 ASSAKTSPAKQQAPPVRNLHQSGFSLSGAQIDDNIPRRTTQRIVA
 PPGGRANITSLGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Axon guidance
Full Length	Full L.

GENE INFORMATION

Gene Name	DPYSL2 dihydropyrimidinase like 2 [Homo sapiens (human)]
Official Symbol	DPYSL2
Synonyms	DRP2; N2A3; CRMP2; DRP-2; ULIP2; CRMP-2; DHPRP2; ULIP-2
Gene ID	1808
mRNA Refseq	NM_001386.6
Protein Refseq	NP_001377.1
MIM	602463
UniProt ID	Q16555



Coomassie blue staining of purified DPYSL2 protein.

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