

Recombinant Full Length Human DPYSL2 Protein, GST-tagged

Cat. No. DPYSL2-6907HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length DPYSL2(1 a.a. - 572 a.a.), fused with GST-tag at N-terminal, was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	572 amino acids
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.
Molecular Mass	88.7 kDa
AA Sequence	MSYQGKKNIPRITSDRLLIKGGKIVNDDQSFYADIYMEDGLIKQIGENLIVPGGVKTIEA HSRMVIPGGIDVHTR FQMPDQGMTSADDDFFQGTKAALAGGTTMIIDHVVPEPGTSL LAAFDQWREWADSKSCCDYSLHVDISEWHKGIQE EMEALVKDHGVNSFLVYMAFK DRFQLTDCQIYEVLSVIRDIGAIAQVHAENGDIIEEQQRILDLGITGPEGHVL SRPEE

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VEAEAVNRAITIANQTNCPYITKVMSSAEVIAQARKKGTVVYGEPIASLGTGDS
HYWSKNWAKAAA FVTSPPLSPDPTTPDFLNSLLSCGDLQVTGSAHCTFNQAQKAV
GKDNFTLIPEGTNGTEERMSVIWDKAVVTGKM DENQFVAVTSTNAAKVFNLYPRKG
RIAVGSDADLVIWDPDSVKTISAKTHNSSLEYNIFEGMECRGSPLVVISQG KIVLEDG
TLHVTEGSGRYIPRKPFDPFVYKRIKARSRLAELRGVPRGLYDGPVCEVSVTPKTVT
PASSAKTSPAK QQAPPVRNLHQSGFSLSGAQIDDNIPRRTTQRIVAPPGGRANITSL
G

Applications ELISA; WB-Re; AP; Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.

GENE INFORMATION

Gene Name DPYSL2 dihydropyrimidinase like 2 [Homo sapiens (human)]

Official Symbol DPYSL2

Synonyms DPYSL2; DRP2; N2A3; CRMP2; DRP-2; ULIP2; CRMP-2; DHPRP2; ULIP-2; dihydropyrimidinase-like 2; dihydropyrimidinase-related protein 2; unc-33-like phosphoprotein 2; collapsin response mediator protein hCRMP-2

Gene ID 1808

mRNA Refseq NM_001386

Protein Refseq NP_001377

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MIM	602463
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UniProt ID	Q16555
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