

Recombinant Human DPYSL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DPYSL2-6183H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DPYSL2 MS Standard C13 and N15-labeled recombinant protein (NP_001377) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>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.</p>
Molecular Mass	62.3 kDa
AA Sequence	<p>MSYQGKKNIPRITSDRLLIKGGKIVNDDQSFYADIYMEDGLIKQIGENLIVPGGVKTIEA HSRMVIPGGIDVHTRFQMPDQGMTSADDFQGTKAALAGGTTMIIDHVVPPEPGTSL AAFDQWREWADSKSCCDYSLHVDISEWHKGIQEEMEALVKDHGVNSFLVYMAFKD RFQLTDCQIYEVLSVIRDIGAIQVHAENGDIIEEQQRILDLGITGPEGHVLSRPEEVE</p>

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AEAVNRAITIANQTNCPYITKVMSSAEVIAQARKKGTVVYGEPIASLGTGDSHY
 WSKNWAKAAAFVTSPPLSPDPTTDFLNSLLSCGDLQVTGSAHCTFNQAQKAVGKD
 NFTLIPEGTNGTEERMSVIWDKAVVTGKMDENQFVAVTSTNAAKVFNLYPRKGRIAV
 GSDADLVIWDPDSVKTISAKTHNSSLEYNIFEGMECRGSPLVVISQGKIVLEDGTLHV
 TEGSGRYIPRKPFDFVYKRIKARSRLAELRGVPRGLYDGPVCEVSVTPKTVTPASS
 AKTSPAKQQAPPVRNLHQSGFSLSGAQIDDNIPRRTTQRIVAPPGGRANITSLGTRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol DPYSL2

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

Gene ID 1808

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mRNA Refseq	NM_001386
Protein Refseq	NP_001377
MIM	602463
UniProt ID	Q16555

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