

Recombinant Human DPYSL2, GST-tagged

Cat. No. DPYSL2-102H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPYSL2(470 a.a. - 571 a.a.), fused with GST-tag at N-terminal, was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
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	36.96 kDa
AA Sequence	PRKPFPDFVYKRIKARSRLAELRGVPRGLYDGPVCEVSVTPKTVTPASSAKTSPAKQ QAPPVRNLHQSGFSLSGA QIDDNIPRRTTQRIVAPPGGRANITSL
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80°C. 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

MIM 602463

UniProt ID Q16555

Chromosome Location 8p22-p21

Pathway BDNF signaling pathway; CRMPs in Sema3A signaling; Regulation of Microtubule Cytoskeleton

Function dihydropyrimidinase activity; protein binding; protein kinase binding

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