

# Recombinant Full Length Human DPYSL2 Protein, GST-tagged

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

## SPECIFICATION

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

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VEAEAVNRAITIANQTNCPYITKVMKSSAEVIAQARKKGTVVYGEPIASLGTDGS  
 HYWSKNWAKAAA FVTSPPLSPDPTTPDFLNSLLSCGDLQVTGSAHCTFNQAQKAV  
 GKDNFTLIPEGTNGTEERMSVIWDKAVVTGKM DENQFVAVTSTNAAKVFNLYPRKG  
 RIAVGSADLVIWDPDSVKTISAKTHNSSLEYNIFEGMECRGSPLVVISQG KIVLEDG  
 TLHVTEGSGRYIPRKPFDFVYKRIKARSRLAELRGVPRGLYDGPVCEVSVTPKTVT  
 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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<b>MIM</b>	602463
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<b>UniProt ID</b>	Q16555
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