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Product datasheet for RC209080L3V

CRMP2 (DPYSL2) (NM_001386) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CRMP2 (DPYSL2) (NM_001386) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DPYSL2
Synonyms:	CRMP-2; CRMP2; DHPRP2; DRP-2; DRP2; N2A3; ULIP-2; ULIP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001386
ORF Size:	1716 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209080).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001386.5
RefSeq Size:	4638 bp
RefSeq ORF:	1719 bp
Locus ID:	1808
UniProt ID:	Q16555
Cytogenetics:	8p21.2
Domains:	Amidohydro_1
Protein Families:	Druggable Genome

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Protein Pathways: Axon guidance

MW: 62.3 kDa

Gene Summary: 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. [provided by RefSeq, Sep 2011]

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