

Product datasheet for **SC330213**

CRMP2 (DPYSL2) (NM_001244604) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRMP2 (DPYSL2) (NM_001244604) Human Untagged Clone
Tag: Tag Free
Symbol: DPYSL2
Synonyms: CRMP-2; CRMP2; DHPRP2; DRP-2; DRP2; N2A3; ULIP-2; ULIP2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330213 representing NM_001244604.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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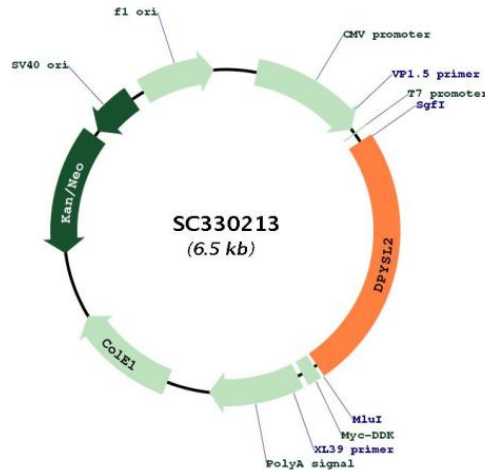
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001244604

Insert Size: 1611 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001244604.1](#)

RefSeq Size: 4297 bp

RefSeq ORF: 1611 bp

Locus ID: 1808

UniProt ID: [Q16555](#)

Cytogenetics: 8p21.2

Protein Families: Druggable Genome

Protein Pathways: Axon guidance

MW: 58.2 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] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.