

Product datasheet for **SC329838**

PSD93 (DLG2) (NM_001206769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD93 (DLG2) (NM_001206769) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLG2
Synonyms:	chapsyn-110; PPP1R58; PSD-93; PSD93
Vector:	pCMV6-Entry (PS100001)

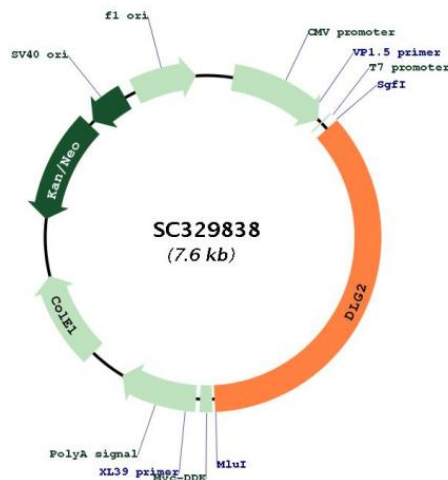


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Fully Sequenced ORF: >SC329838 representing NM_001206769.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAATGCATACCTACCAAGCAACACAGCTGCAGCCGGGGTCCGATGGGATGGATGCCGTCAGGAGT
 GCGCCACCCTGATCAGGGATGCCACTGTGCTTGTGGCTGGCAGAGGAACTGTCAGGGGCTCGGGTAC
 AGTTCTCAGACCATGCCCTCCTCAGGACCAGGGGCCAGCTTCAAACAGGACCGGGGGTCCAGCTTC
 AACAGGACCTTGTGGGACAGTGTGCGGAAAAGCCCCACAAGACGAGCACCAAGGCCAAGGGCAAGGGATTGT
 GGGGAGCATTGTACCTGCCACATGGTTGGTTCAGCCCAGCACAGGCCAGTCTGTCTCTATAATTGTC
 AACACAGATACTTTGGACACAATTCCTTATGTCAATGGGACAGAAATTGAATATGAATTTGAAGAAATT
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 GAGGAACAAGCCAAGAAAACCTATGATCGAACAATTAAGCTAGAACAAGAATTTGGAGAATATTTTACA
 GCTATTGTCCAAGGAGATACTTTAGAAGATATATAACCAATGCAAGCTTGTTATTGAAGACAACTCT
 GGGCCTTTCATCTGGATTCCCTCAAAGGAAAAGTTAA

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001206769

Insert Size: 2730 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_001206769.1](#)

RefSeq Size: 7730 bp

RefSeq ORF: 2730 bp

Locus ID: 1740

UniProt ID: [Q15700](#)

Cytogenetics: 11q14.1

Protein Families: Druggable Genome

MW: 101 kDa

Gene Summary:

This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. The encoded protein forms a heterodimer with a related family member that may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Multiple transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described, but their full-length nature is not known. [provided by RefSeq, Dec 2008]

Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon compared to variant 1. Isoform 5 has a distinct N-terminus and is compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.