

## Product datasheet for **SC337579**

### PSD93 (DLG2) (NM\_001300983) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSD93 (DLG2) (NM_001300983) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLG2
Synonyms:	chapsyn-110; PPP1R58; PSD-93; PSD93
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001300983, the custom clone sequence may differ by one or more nucleotides

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ATGTTCTTTGCATGTTACTGTGCACTCCGGACTAACGTGAAGAAGTATCGATATCAAGATGAGGACGCTC
CACATGATCATTCTTACCTCGACTAACCCACGAAGTAAGAGGCCAGAACTCGTGCATGTATCAGAAAA
GAACCTCTCTCAAATAGAAAATGCCATGGATATGTCTTGCAGTCTCATATTTCTCTGAAAGGCCAGT
CCTGCTCCTATAATTGTCAACACAGATACTTTGGACACAATTCCTTATGTCAATGGGACAGAAAATGAAT
ATGAATTTGAAGAAATACACTGGAGAGGGGAATTCTGGCCTGGGATTGATTGCTGGGGGGACAGA
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GATGGCAGACTCAGGGTCAATGATTGTATCTTGGGGTGAATGAGGTTGATGTGTCAGAGGTTTCCACA
GTAAAGCGGTGGAAGCCCTGAAGGAAGCAGGGTCTATCGTTGGCTGTATGTGCTAGAAGACGACCTAT
TTTGGAGACCGTGTGGAAATCAAAGTGTCAAAGGCCCTAAAGGTTTAGGCTTCAGTATTGCAGGAGGT
GTGGGGAACCAACACATTCTGGAGACAACAGCATTATGTAACATAAAATATAGATGGAGGAGCTGCAC
AAAAAGATGGAAGTTGCAAGTAGGAGTAGACTACTAATGGTAAACAACACAGTTTAGAAGAAGTAAC
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ACCATTTATATGACTGATCCTTATGGTCCACCTGATATTACTCACTCTTATTCTCCACCAATGGAAGAAC
ATCTACTCTCTGGCAACAATGGCACTTTAGAATATAAAACCTCCCTGCCACCCATCTCTCCAGGAAGGTA
CTACCAATTCCAAGCAGATGCTTGTGACGAGACTACACCAGGCCTCCGGAACCTGTTTACAGCACT
GTGAACAAACTATGTGATAAGCCTGCTTCTCCAGGCATTTCCCTGTTGAGTGTGACAAAAGCTTCC
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AAGGTAGTCTCGACAAAGGCTCCACTGGCTGGCTTCAACATTTGTCGTTGGGGAAGATGGAGAAGGTA
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ACCTACGAGAGCAGATGATGAACCACAGCATGAGCTCCGGGTCGGATCCCTGCGAACCAATCAGAAAACG
CTCCCTCTACGTGAGGACATGTTGACTACGACAAGAGCAAGGACAGTGGGCTGCCAAGTCAAGGACTT
AGTTTTAAATATGGAGATATTCTCCACGTTATCAATGCCTCTGATGATGAGTGGTGGCAAGCCAGGAGAG
TCATGCTGGAGGGAGACAGTGGAGATGGGGTCAATCCAGCAAAAAGGAGGTTGGAAGAAAGGAACG
TGCCCGATTGAAGACAGTGAAGTTAATGCCAACCTGGAGTGATTGATTCGAAAGGGGACATCCCGGA
TTAGGTGACGACGTTATGGAACAAGACTCTGAGAGGACAAGAAGACCTCATTCTTCTATGAGCCTG
TTACAAGGCAGGAAATAAATACACCCGGCCGGTATTATCCTGGGGCCCATGAAGGATCGGATCAATGA
CGACTTGATATCTGAATCCCTGATAAATTTGGCTCCTGTGTGCCTCATACTACGAGGCCAAAGCGAGAC
TACGAGGTGGATGGCAGAGACTACACTTTGTCATTTCCAGAGAACAATGGAGAAGATATCCAAGAGC
ACAAGTTTATAGAAGCCGGCCAGTACAATGACAATTTATATGGAACCAAGTGTGCAGTCTGTGAGATTTGT
AGCAGAAAAGAGGCAAACTGTACTTGTATGATCAGGAAATGCTATCAAGCGTTACAAGTTGCCAG
CTCTATCCATTGCCATTTCAAAAACCCAGGCTCTGGAACCTCTTATGGAGATGAATAAGCGTCTAA
CAGAGGAACAAGCAAGAAAACCTATGATCGAGCAATTAAGCTAGAACAAGAATTTGGAGAATATTTTAC
AGCTATTGTCCAAGGAGATACTTTAGAAGATATATAACCAATGCAAGCTTGTATTGAAGAGCAATCT
GGGCCTTTCATCTGGATTCCCTCAAAGGAAAAGTTAA
    
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001300983

**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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001300983.1, NP_001287912.1</u>
<b>RefSeq Size:</b>	7668 bp
<b>RefSeq ORF:</b>	2559 bp
<b>Locus ID:</b>	1740
<b>Cytogenetics:</b>	11q14.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (6) has a shorter and distinct 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.</p>