

Product datasheet for **SC310068**

PSD93 (DLG2) (NM_001364) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD93 (DLG2) (NM_001364) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLG2
Synonyms:	chapsyn-110; PPP1R58; PSD-93; PSD93
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001364, the custom clone sequence may differ by one or more nucleotides

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ATGTTCTTTGCATGTTACTGTGCACTCCGGACTAACGTGAAGAAGTATCGATATCAAGAT
GAGGACGCTCCACATGATCATTCCCTTACCTCGACTAACCCACGAAGTAAGAGGCCAGAA
CTCGTGCATGTATCAGAAAAGAACCTCTCTCAAATAGAAAATGTCCATGGATATGTCTTG
CAGTCTCATATTTCTCTCTGAAGGCCAGTCTGCTCCTATAATTGTCAACACAGATACT
TTGGACACAATTCCTTATGTCAATGGGACAGAAATTGAATATGAATTTGAAGAAATTACA
CTGGAGAGGGGAATTCCTGGCCTGGGATTCAAGTATTGCTGGGGGACAGATAATCCCCAC
ATTGGAGATGACCCTGGCATATTTATTACGAAGATTATACCAGGAGGTGCTGCAGCAGAG
GATGGCAGACTCAGGGTCAATGATTGTATCTTGCGGGTGAATGAGGTTGATGTGTCAGAG
GTTTCCCACAGTAAAGCGGTGGAAGCCCTGAAGGAAGCAGGGTCTATCGTTCGGCTGTAT
GTGCGTAGAAGACGACCTATTTTGGAGACCGTTGTGAAATCAAAGTGTCAAAGGCCCT
AAAGGTTTAGGCTTCAGTATTGCAGGAGGTGTGGGGAACCAACACATTCTGGAGACAAC
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ATGAAAAACCATCTACTCTGCGCAACAATGGCACTTTAGAATATAAAACCTCCCTGCCA
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ACCAGGCCCTCCGGAACCTGTTTACAGCACTGTGAACAACTATGTGATAAGCCTGCTTCT
CCCAGGCACTATCCCCTGTTGAGTGTGACAAAAGCTTCTCCTCTCAGCTCCCTATTCC
CACTACCACCTAGGCCTGCTACCTGACTCTGAGATGACCAGTATTCCCAACATAGCACC
GCAACTCGTCAGCCTTCAATGACTCTCCAACGGGCCGTCCCTGGAAGGAGAGCCTCGC
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GGAGAAGGATTTTTGTGTCCTTCACTTCTGGCTGGTGGACCAGCAGACCTAAGTGGGGAG
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GTCAGAGCCATGTTGCACTACGACAAGGCAAGGACAGTGGGCTGCCAAGTCAAGGACTT
AGTTTTAAATATGGAGATATTCTCCACGTTATCAATGCCTCTGATGATGAGTGGTGGCAA
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GGACAAGAAGACCTCATTCTTCTATGAGCCTGTTACAAGGCAGGAAATAAACTACACC
CGGCCGGTGATTATCCTGGGGCCATGAAGGATCGGATCAATGACGACTTGATATCTGAA
TTCCCTGATAAAATTTGGCTCCTGTGTGCCTCATACTACGAGGCCAAAGCGAGACTACGAA
GTGGATGGCAGAGACTACACTTTGTCAATTTCCAGAGAACAATGGAGAAAGATATCCAA
GAGCACAAAGTTTATAGAAGCCGGCCAGTACAATGACAATTTATATGGAACCAAGTGTGCAG
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ATCAAGCGTTTACAAGTTGCCAGCTCTATCCCATTGCCATCTTCATAAAAACCCAGGTCT
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GATCGAGCAATTAAGCTAGAACAAGAATTTGGAGAATATTTTACAGCTATTGTCCAAGGA
GATACTTTAGAAGATATATAACCAATGCAAGCTTGTATTGAAGAGCAATCTGGGCCCT
TTCATCTGGATTCCCTCAAAGGAAAAGTTATAA

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Restriction Sites: Please inquire
ACCN: NM_001364

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	<u>NM_001364.1</u> , <u>NP_001355.1</u>
RefSeq Size:	3071 bp
RefSeq ORF:	2613 bp
Locus ID:	1740
UniProt ID:	<u>Q15700</u>
Cytogenetics:	11q14.1
Domains:	SH3, PDZ, Guanylate_kin, GuKc
Protein Families:	Druggable Genome
Gene Summary:	<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 (2) uses a distinct 5' UTR and coding region, compared to variant 1. The resulting isoform (2), also known as alpha, has a shorter and distinct N-terminus, compared to isoform 1.</p>