

Product datasheet for **SC325784**

PSD93 (DLG2) (NM_001142702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD93 (DLG2) (NM_001142702) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD93
Synonyms:	chapsyn-110; PPP1R58; PSD-93; PSD93
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325784 representing NM_001142702. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGAACACAGCATGAGCTCCGGTCCGGATCCCTGCGAACCAATCAGAAACGCTCCCTCTACGTC
AGAGCCATGTTTCGACTACGACAAGCAAGGACAGTGGGCTGCCAAGTCAAGGACTTAGTTTTAAATAT
GGAGATATTCTCCACGTTATCAATGCCTCTGATGATGAGTGGTGGCAAGCCAGGAGATCATGCTGGAG
GGAGACAGTGAAGTGAAGTTAATGCCAAACCTGGAGTATTGATTCGAAAGGGGACATCCCGGATTAGGTGAC
GACGGTTATGGAACAAAGACTCTGAGAGGACAAGAAGACCTCATTCTTTCCTATGAGCCTGTTACAAGG
CAGGAAATAAACTACACCGGCCGGTATTATCCTGGGGCCCATGAAGGATCGGATCAATGACGACTTG
ATATCTGAATTCCTGATAAATTTGGCTCCTGTGTGCCTCATACTACGAGCCAAAGCGAGACTACGAG
GTGGATGGCAGAGACTATCACTTTGTCATTTCCAGAGAACAATGGAGAAAGATATCCAAGAGCACAAG
TTTATAGAAGCCGGCCAGTACAATGACAATTTATATGGAACAGTGTGCAGTCTGTGAGATTTGTAGCA
GAAAGAGGCAACACTGTATACTTGATGTATCAGGAAATGCTATCAAGCGGTTACAAGTTGCCAGCTC
TATCCCATTGCCATCTTCATAAAACCCAGGCTCTGGAACCTCTATGGAGATGAATAAGCGTCTAACA
GAGGAACAAGCCAAGAAAACCTATGATCGAGCAATTAAGCTAGAACAAGAATTTGGAGAATTTTTACA
GCTATTGTCCAAGGAGATACTTTAGAAGATATATAACCAATGCAAGCTTGTTATTGAAGAGCAATCT
GGGCCTTTCATCTGGATTCCCTCAAGGAAAAGTTAAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001142702
Insert Size:	1005 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).
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_001142702.1</u>
RefSeq Size:	6138 bp
RefSeq ORF:	1005 bp
Locus ID:	1740
UniProt ID:	<u>Q15700</u>
Cytogenetics:	11q14.1
Protein Families:	Druggable Genome
MW:	38.4 kDa
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 (4) uses a distinct 5' UTR, lacks an in-frame portion of the 5' coding region, and uses an alternate splice pattern in the central coding region, compared to variant 1. The resulting isoform (4) has a shorter N-terminus and differs at an internal segment, compared to isoform 1.</p>