

Product datasheet for **SC303004**

PSD95 (DLG4) (NM_001365) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD95 (DLG4) (NM_001365) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD95
Synonyms:	MRD62; PSD95; SAP-90; SAP90
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001365 edited
AGAGATGTCCCAGAGACCAAGAGCTCCCAGGTCAGCCCTCTGGCTCCTGGCACCCCCACT
GCTGCGGTGGGCACCCCCACTCCTCACAGTGTGCATAGCGACCTCTCCAGGCCTGCT
GGACATCCTGGACTATTATGAGGCTTCCCTCTCAGAGAGTCAGAAATACCGCTACCAAGA
TGAAGACACGCCCTCTGGAGCACAGCCCGGCCACCTCCCAACAGGCCAATTCTCC
CCCAGTGATTGTCAACACAGATACCCTAGAAGCCCCAGGATATGAGTTGCAGGTGAACGG
GACCGAGGGGAGATGGAATACGAGGAAATCACATTGGAAGGGGTAACCTCAGGTCTGGG
CTTCAGCATCGCAGGTGGCACTGACAACCCACACATCGGTGACGACCCATCCATTTTCAT
CACCAAGATCATTCTGGTGGGGCTGCGGCCAGGATGGCCGCTCAGGGTCAACGACAG
CATCCTGTTTGAATGAAGTGGACGTGCGCGAGGTGACCCACTCAGCGCGGTGGAAGC
CCTCAAAGAGGCAGGCTCCATCGTTCGCCTCTATGTCATGCGCCGAAGCCCCCGGTGA
GAAGGTGATGGAGATCAAGCTCATCAAGGGCCTAAAGGTCTTGGCTTCAGCATCGCAGG
GGCGTAGGGAACCAGCACATCCCAGGAGATAATAGCATCTATGTAACAAAGATCATCGA
AGGGGGTGTGCCACAAGGATGGGAGTTGCAGATTGGAGACAAGATCCTGGCGGTCAA
CAGTGTGGGGCTAGAGGACGTATGCATGAAGATGCTGTGGCAGCCCTGAAGAACACGTA
TGATGTTGTCTACCTAAAGTGGCCAAGCCAGCAATGCCTACCTGAGTGACAGCTATGC
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AGTGCCCAAGGACCTGCTCGGGAGGAAGACATTCCCCGAGAACCAGGGCGAATTGTGAT
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CATTGCCCTGAAGAAATGCGGGTCAAGCGGTACGATCATTGCTCAGTATAAACCAGAAGA
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GGGCTCAGGGACTGCGTCTTTCGGGAGCAACCCAAAAGGGTTTCTACATCAGGGCCCT
GTTTGATTACGACAAGACCAAGGACTGCGGCTTCTGAGCCAGGCCCTGAGCTTCCGCTT
TGGGGATGTGCTGCATGCATCGATGCTAGTGATGAGGAGTGGTGGCAGGCACGGCGGGT



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CCACTCTGACAGTGAGACCGACGACATTGGGTTTCATCCCCAGCAAACGGCGGGTTGAGCG
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GGTGGGGCAGGGGTGGGGGTGGGTGTCCGGGAGCCAGGGAAGACTGGAATGTGCCG
CCTTCTGCAATTTATTTATTTTTTTCTTTTGGAGAGTGAAGGAAGAGACAGATACTTG
AAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001365
- Insert Size:** 3100 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:** The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
- 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_001365.1](#), [NP_001356.1](#)

RefSeq Size: 3995 bp

RefSeq ORF: 2304 bp

Locus ID: 1742

UniProt ID: [P78352](#)

Cytogenetics: 17p13.1

Protein Families: Druggable Genome

Protein Pathways: Huntington's disease

Gene Summary: This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins 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. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.