

Product datasheet for **SC323181**

PSD95 (DLG4) (NM_001128827) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD95 (DLG4) (NM_001128827) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSD95
Synonyms:	MRD62; PSD95; SAP-90; SAP90
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001128827 edited
 ATGGACTGTCTCTGTATAGTGACAACCAAGAAATACCGCTACCAAGATGAAGACACGCC
 CCTCTGGAGCACAGCCCGGCCACCTCCCAACCAGGCCAATTCTCCCCAGTGATTGTC
 AACACAGATACCCCTAGAAGCCCCAGGATATGTGAACGGGACCGAGGGGGAGATGGAATAC
 GAGGAAATCACATTGGAAAGGGGTAACCTCAGGTCTGGCTTCAGCATCGCAGGTGGCACT
 GACAACCCACACATCGGTGACGACCCATCCATTTTCATCACCAAGATCATTCTGGTGGG
 GCTGCGGCCAGGATGGCCGCTCAGGGTCAACGACAGCATCCTGTTTGTAAATGAAGTG
 GACGTGCCGAGGTGACCCACTCAGCGCGGTGGAAGCCCTCAAAGAGGCAGGCTCCATC
 GTTCGCTCTATGTCATGCGCCGGAAGCCCGGCTGAGAAGGTCATGGAGATCAAGCTC
 ATCAAGGGGCCTAAAGTCTTGGCTTCAGCATCGCAGGGGGCGTAGGGAACCAGCACATC
 CCAGGAGATAATAGCATCTATGTAAACAAGATCATCGAAGGGGGTCTGCCACAAGGAT
 GGGAGGTTGCAGATTGGAGACAAGATCCTGGCGGTCAACAGTGTGGGGCTAGAGGACGTC
 ATGCATGAAGATGCTGTGGCAGCCCTGAAGAACACGTATGATGTTGTCTACCTAAAGGTG
 GCCAAGCCAGCAATGCCTACCTGAGTGACAGCTATGCTCCCCAGACATACAACCTCT
 TATTCCCAGCACCTGGACAATGAGATCAGTCACAGCAGCTACCTGGGCACCGACTACCC
 ACAGCCATGACCCCACTTCCCCTCGGCCTACTCTCCAGTGCCAAGGACCTGCTCGGG
 GAGGAAGACATCCCCGAGAACCAGGGCAATTGTGATCCACCGGGCTCCACGGGCCTG
 GGCTTCAACATCGTGGTGGCGAGGACGGTGAAGGCATCTTCATCTCCTTATCCTGGCC
 GGGGGCCTGCAGACCTCAGTGGGGAGCTGCGGAAGGGGGACCAGATCCTGTCCGTCAAC
 GGTGTGGACCTCCGAAATGCCAGCCATGAGCAGGCTGCCATTGCCCTGAAGAATGCGGGT
 CAGACGGTCACGATCATCGCTCAGTATAAACCAGAAGAGTACAGCCGATTGAGGCCAAG
 ATCCACGACCTTCGGGAACAGCTCATGAACAGCAGCCTGGGCTCAGGGACTGCGTCCCTG
 CGGAGCAACCCAAAAGGGGTTTCTACATCAGGGCCCTGTTTATTACGACAAGACCAAG
 GACTGCGGCTTCCCTGAGCCAGGCCCTGAGCTTCCGCTTTGGGGATGTGCTGCATGTCATC
 GATGCTAGTGATGAGGAGTGGTGGCAGGCACGGCGGGTCCACTCTGACAGTGAGACCGAC
 GACATTGGGTTTCATCCCCAGCAAACGGCGGGTTGAGCGACGAGAGTGGTCAAGGTTAAAG
 GCCAAGGACTGGGGCTCCAGCTCTGGATCGCAGGGTGCAGAAAGACTCGGTTCTGAGCTAC
 GAGACAGTGACGCAGATGGAAGTGCATGCTCGCCCCATCATCCTTGGGCCACCC
 AAGGACCCGCCAACGATGATCTTCTCCGAGTTCGCCGACAAGTTGGATCCTGTGTT
 CCCCATACGACACGGCCAAAGCGGGAGTATGAGATAGATGGCCGGGATTACCACTTTGTG
 TCGTCCCGGGAGAAAATGGAGAAGGACATTCAGGCGCACAAAGTTCAATTGAGGCCGGCCAG
 TACAACAGCCACCTCTATGGGACCAGCGTCCAGTCCGTGCGAGAGGTGGCAGAGCAGGGG
 AAGCACTGCATCCTCGATGTCTCGGCCAATGCCGTGCGGGCGGCTGCAGGGGGCCACCTG
 CACCCCATCGCCATCTTCATCCGCCCCGCTCCCTGGAGAATGTGCTAGAGATTAACAAG
 CGGATCACAGAGGAGCAAGCCCGCAAAGCCTTCGACAGAGCCACCAAGCTGGAGCAGGAG
 TTCACAGAGTGCTTCTCAGCCATCGTGGAGGGTGACAGCTTTGAGGAGATCTACCACAAG
 GTGAAGCGTGTCATCGAGGACCTCTCAGGCCCTACATCTGGGTTCCAGCCCGAGAGAGA
 CTCTGA

Restriction Sites: Please inquire

ACCN: NM_001128827

Insert Size: 2200 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_001128827.1</u> , <u>NP_001122299.1</u>
RefSeq Size:	3478 bp
RefSeq ORF:	2166 bp
Locus ID:	1742
UniProt ID:	<u>P78352</u>
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome
Protein Pathways:	Huntington's disease
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains a distinct 5' UTR and 5' coding region and uses an alternate in-frame splice site, compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus and lacks a 3 amino acid internal segment when compared to isoform 1.</p>