

Product datasheet for **RC233167**

PSD93 (DLG2) (NM_001206769) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSD93 (DLG2) (NM_001206769) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PSD93
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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ORF Nucleotide Sequence:

>RC233167 representing NM_001206769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGCATACCTACCAAGCAACACAGCTGCAGCCGGGGTCCGATGGGATGGATGCCGTGAGGAGTGC
 CGCCACCCTGATCAGGGATGCCACTGTGCTTGTGGCTGGCAGAGGAAGTGCAGGGGCTCGGGTACAG
 TTCTCAGACCATGCCCTCCTCAGGACCAGGGGGCCAGCTTCAAACAGGACCGGGGGTCCAGCTTCAAC
 AGGACCTTGTGGGACAGTGTGCGGAAAAGCCCCACAAGACGAGCACCAAGGGCAAAGGGACTTGTGGGG
 AGCATTGTACCTGCCACATGGTTGGTTCAGCCCAGCACAGGCCAGTCTGCTCTATAATTGTCAACAC
 AGATACTTTGGACACAATTCCTTATGTCAATGGGACAGAAATGAATATGAATTTGAAGAAATTACACTG
 GAGAGGGGGAATTCGGCTGGGATTCACTATTGCTGGGGGACAGATAATCCCCACATTGGAGATGACC
 CTGGCATATTTATTACGAAGATTATACCAGGAGGTGCTGCAGCAGAGGATGGCAGACTCAGGGTCAATGA
 TTGATCTTGGGGTGAATGAGGTTGATGTGTCAGAGGTTTCCCACAGTAAAGCGGTGGAAGCCCTGAAG
 GAAGCAGGGTCTATCGTTCGGCTGTATGTGCGTAGAAGACGACCTATTTGGAGACCGTTGTGGAATCA
 AACTGTTCAAAGGCCCTAAAGGTTTAGGCTTCACTATTGCAGGAGGTGTGGGGAACCAACACATTCTGG
 AGACAACAGCATTTATGTAATAAAATTAAGATGGAGGAGTGCACAAAAGATGGAAGGTTGCAAGTA
 GGAGATAGACTACTAATGGTAAACAACACAGTTTAGAAGAAGTAACACACGAAGAGGCAGTAGCAATAT
 TAAAGAACACATCAGAGGTAGTTATTTAAAAGTTGGCAAACCCACTACCATTTATGACTGATCCTTA
 TGGTCCACCTGATTAATCACTCTTATCTCCACCAATGGAAAACCATCTACTCTGGAACAATGGC
 ACTTTAGAATATAAAACCTCCCTGCCACCATCTCCAGGAAGTACTACCAATTCAAAGCACATGCAAGCC
 TGCTTCTCCAGGCACTATCCCTGTTGAGTGTGACAAAAGCTTCTCTCTCAGCTCCCTATTCCAC
 TACCACCTAGGCCTGCTACCTGACTCTGAGATGACCAGTATTCCCAACATAGCACCGCAACTCGTCAGC
 CTTCAATGACTCTCCAACGGGCGTCTCCCTGGAAGGAGAGCCTCGCAAGGTAGTCTGCACAAAGGCTC
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 GGTGGACCAGCAGACCTAAGTGGGAGCTCCAGAGAGGAGACCAGATCCTATCGGTGAATGGCATTGACC
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 ACAATATCAACCTGAAGATTACGCTCGATTTGAGGCCAAAATCCATGACCTACGAGAGCAGATGATGAAC
 CACAGCATGAGCTCCGGTCCGGATCCCTGCGAACCAATCAGAAACGCTCCCTCTACGTCAGAGCCATGT
 TCGACTACGACAAGAGCAAGGACAGTGGGCTGCCAAGTCAAGGACTTAGTTTTAAATATGGAGATATTCT
 CCACGTTATCAATGCCTCTGATGATGAGTGGTGGCAAGCCAGGAGATCATGCTGGAGGGAGACAGTGGAG
 GAGATGGGGTCAATCCAGCAAAGGAGGGTGGAAAAGAAAGCAAGTGCAGGATGGAAGACAGTGAAGT
 TTAATGCCAAACCTGGAGTGATTGATTCGAAAGGGTCAATCAATGACAAGCGTAAAAGAGCTTCATCTT
 TTCACGAAAATCCCATTTCTACAAGAACAAGGAGCAGAGTGCAGGAAACCAAGTGCATCTGAACGAGGA
 CAAGAAGACCTCATTCTTCTATGAGCCTGTTACAAGGCAGGAAATAAACTACACCCGGCCGGTGATTA
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 TGTGCCTCATACTACGAGGCCAAAGCGAGACTACGAGGTGGATGGCAGAGACTATCACTTTGTCATTTCC
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 ATGGAACCAAGTGTGAGTCTGTGAGATTTGTAGCAGAAAGAGGCAAACTGTATACTTGTATGATCAGG
 AAATGCTATCAAGCGTTACAAGTTGCCAGCTCTATCCATTGCCATCTTATAAAAACCCAGGTCTCTG
 GAACCTCTTATGGAGATGAATAAGCGTCTAACAGAGGAACAAGCCAAGAAAACCTATGATCGAGCAATTA
 AGCTAGAACAAGAATTTGGAGAATTTTACAGCTATTGTCCAAGGAGATACTTTAGAAGATATATATAA
 CCAATGCAAGCTTGTATTGAAGAGCAATCTGGGCCTTTCATCTGGATTCCCTCAAAGGAAAAGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233167 representing NM_001206769
 Red=Cloning site Green=Tags(s)

MNAYLTKQHSCSRGSDGMDAVRSAPTLIRDAHCACGWQRNCQGLGYSSQTMPSSGPGGPASNRTGGSSFN
 RTLWDSVRKSPHKTSTKGKGTCEHCTCPHGWFSPAQASPAPIIVNTDTLDTIPYVNGTEIEYEFEEITL
 ERGNSGLGFSIAGGTDNPHIGDDPGIFITKIIPGGAAAEDGRLRVNDCILRVNEVDVSEVSHSKAVEALK
 EAGSIVRLYVRRRRPILETVVEIKLFKGPKGLGFSIAGGVGNQHIPGDNSIYVTKIIDGGAAQKDGRLQV
 GDRLLMVNNYSLEEVTHEEAVAILKNTSEVVYLKVGKPTTIYMTDPYGPDDITHSYSPPMENHLLSGNNG
 TLEYKTSLPPISPGRYSPIPKHMLVDDDYTRPPEPVYSTVNKLCDKPASPRHYSPECDKSFLLSAPYSH
 YHLGLLPDSEMTSHSQHSTATRQPSMTLQRAVSLLEGPRKVVHLHGSTGLGFNIVGGEDGEGIFVSFILA
 GGPADLSGELQRGDQILSVNGIDLRGASHEQAAAAKAGQVTIIAQYQPEDYARFEAKIHDLREQMMN
 HSMSSGSGSLRTNQKRSLYVRAMFDYDKSKDGLPSQGLSFKYGDILHVINASDDEWQARRVMLEGDSE
 EMGVIPSKRRVERKERARLKTVKFNAKPGVIDSKGSFNDKRKKSFI SRKFPFYKNKEQSEQETSDPERG
 QEDLILSYEPVTRQEINYTRPVIILGPMKDRINDDLISEFPDKFGSCVPHTTRPKRDYEVDRDYHFVIS
 REQMEKDIQEHKIEAGQYNDNLVGT SVQSVRFVAERGHKCILDVSGNAIKRLQVAQLYPIAIFIKPRSL
 EPLMEMNKRLTEEQA KTYDRAIKLEQEFGEYFTAIVQGD TLEDIYNQCKLVIEEQSGPFIWIPSKLEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

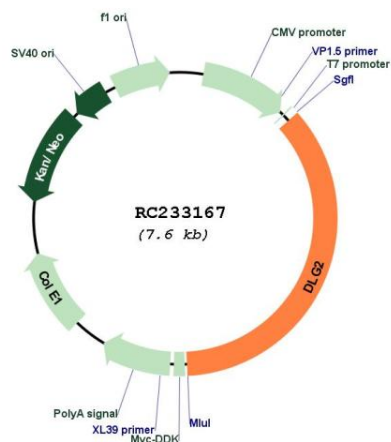
Cloning Scheme:



ACCN: NM_001206769

ORF Size:	2727 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001206769.2
RefSeq Size:	7730 bp
RefSeq ORF:	2730 bp
Locus ID:	1740
UniProt ID:	Q15700
Cytogenetics:	11q14.1
Protein Families:	Druggable Genome
MW:	101.4 kDa
Gene Summary:	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]

Product images:



Circular map for RC233167