

## Product datasheet for **RC223915**

### PSD93 (DLG2) (NM\_001364) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSD93 (DLG2) (NM_001364) 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:**

>RC223915 representing NM\_001364  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCTTTGCATGTTACTGTGCACTCCGGACTAACGTGAAGAAGTATCGATATCAAGATGAGGACGCTC  
 CACATGATCATTCTTACCTCGACTAACCCACGAAGTAAGAGGCCAGAAGTTCGTGCATGTATCAGAAAA  
 GAACCTCTCTCAATAGAAAATGTCATGGATATGCTTGCAGTCTCATATTTCTCTCTGAAGGCCAGT  
 CCTGCTCTATAATTGTCAACACAGATACTTTGGACACAATTCCTTATGTCAATGGGACAGAAAATTGAAT  
 ATGAATTTGAAGAAATTACACTGGAGAGGGGAAATCTGGCCTGGGATTCAGTATTGCTGGGGGACAGA  
 TAATCCCCACATTGGAGATGACCCTGGCATATTTATTACGAAGATTATACCAGGAGGTGCTGCAGCAGAG  
 GATGGCAGACTCAGGGTCAATGATTGTATCTTGCGGGTGAATGAGGTTGATGTGCAGAGGTTTCCACA  
 GTAAGCGGTGGAAGCCCTGAAGGAAGCAGGGTCTATCGTTCGGCTGTATGTGCGTAGAAGACGACCTAT  
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 GTGGGGAACCAACACATTCCTGGAGACAACAGCATTTATGTAACATAAAATATAGATGGAGGAGCTGCAC  
 AAAAAGATGGAAGTTGCAAGTAGGAGATAGACTACTAATGGTAAACAACACAGTTTAGAAGAAGTAAC  
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 ACCATTTATAGACTGATCCTTATGGTCCACCTGATATTACTCACTCTTATTCTCCACCAATGAAAAACC  
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 GTGAACAAACTATGTGATAAGCCTGCTTCTCCAGGCACTATCCCTGTTGAGTGTGACAAAAGCTTCC  
 TCCTCTCAGCTCCCTATCCCACTACCACCTAGGCCTGCTACCTGACTCTGAGATGACCAAGTCAATCCCA  
 ACATAGCACCGCAACTCGTCAGCCTTCAATGACTCTCAACGGGCGTCTCCCTGGAAGGAGAGCTCGC  
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 ACCTACGAGAGCAGATGATGAACCACAGCATGAGCTCCGGTCCGGATCCCTGCAACCAATCAGAAAACG  
 CTCCTCTACGTCAGAGCCATGTTGACTACGACAAGAGCAAGGACAGTGGGCTGCCAAGTCAAGGACTT  
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 AAGCGTAAAAGAGCTTCATCTTTTACGAAAATTCCTTCTACAAGAACAAGGAGCAGAGTGAGCAGG  
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 GAGACTACACTTTGTCAATTTCCAGAGAACAAAATGGAGAAAGATATCCAAGAGCACAAAGTTATAGAAGC  
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 TTCCCTCAAAGGAAAAGTTA

**ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RC223915 representing NM\_001364  
 Red=Cloning site Green=Tags(s)

MFFACYCALRTNVKRYQDEDAPHDHSLPRLTHEVRGPELVHVSEKNLSQIENVHGYVLQSHISPLKAS  
 PAPIIVNTDLDITIPYVNGTEIEYEFEEITLERGNISGLGFSIAGGTDNPHIGDDPGIFITKIIPGGAAAE  
 DGRLRVNDCILRVNEVDVSEVSHSKAVEALKEAGSIVRLVYRRRRPILETVVEIKLFKGPGLGFSIAGG  
 VGNQHIPGDNSIYVTKIIDGGAQKDGRLQVGDRLLMVNNYSLEEVTHEEAVAILKNTSEVVYLKVGKPT  
 TIYMTDPYGPDI THSYSPMENHLLSGNNGTLEYKTSLPPISPGRYSPIPKHMLVDDDYTRPPEPVYST  
 VNKLCDKPPASPRHYSPECDKSFLLSAPYSHYHLGLLPDSEMTSHSQHSTATRQPSMTLQRAVSLEGEPR  
 KVVHLKGSTGLGFNI VGGEDGEGIFVSFILAGGPADL SGELQRGDQILSVNGIDLRGASHEQAAAALKGA  
 GQTVTIIAQYQPEDYARFEAKI HDLREQMMNHSMSGSGSLRTNQKRSLYVRAMFDYDKSKDGLPSQGL  
 SFKYGDILHVINASDDEWQARRVMLEGDSEEMGVIPSKRRVERKERARLKT VKFNAKPGVIDSKGSFND  
 KRKKSFI SRKFPFYKNKEQSEQETS DPERGQEDLILSYEPVTRQEIN YTRPVIILGPMKDRINDDLISE  
 FPDKFGSCVPHTTRPKRDEVDGRDYHFVISREQMEKDIQEHKFI EAGQYNDNL YGTSVQSVRFVAERGK  
 HCILDVSGNAIKRLQVAQLYPIAIFIKPRSL EPLMEMNKRL TEEQAKKTYDRAIKLEQEFGEYFTAIVQG  
 DTLEDIYNQCKLVIEEQSGPFIWIPSKLEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

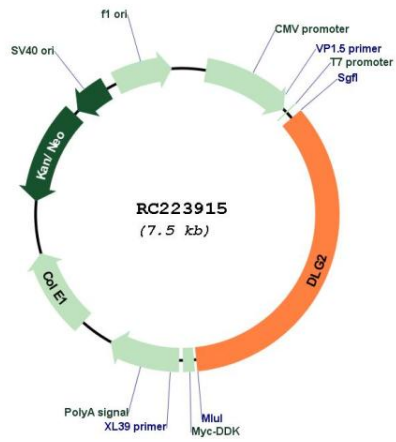
SgfI-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_001364
<b>ORF Size:</b>	2610 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001364.3</a> , <a href="#">NP_001355.2</a>
<b>RefSeq Size:</b>	7737 bp
<b>RefSeq ORF:</b>	2613 bp
<b>Locus ID:</b>	1740
<b>UniProt ID:</b>	<a href="#">Q15700</a>
<b>Cytogenetics:</b>	11q14.1
<b>Domains:</b>	SH3, PDZ, Guanylate_kin, GuKc
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	97.6 kDa
<b>Gene Summary:</b>	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 RC223915