

Product datasheet for RC223915L4

PSD93 (DLG2) (NM_001364) Human Tagged Lenti ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | PSD93 (DLG2) (NM_001364) Human Tagged Lenti ORF Clone |
| Tag: | mGFP |
| Symbol: | PSD93 |
| Synonyms: | chapsyn-110; PPP1R58; PSD-93; PSD93 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC223915). |
| Restriction Sites: | SgfI-MluI |
| Cloning Scheme: | |

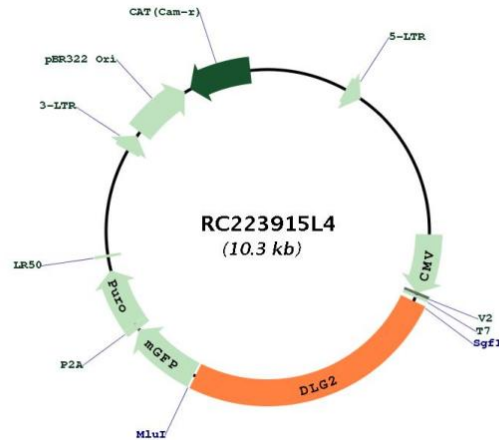
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.



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Plasmid Map:


ACCN: NM_001364

ORF Size: 2610 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:

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_001364.3](#), [NP_001355.2](#)

RefSeq Size: 7737 bp

RefSeq ORF: 2613 bp

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|--------------------------|--|
| Locus ID: | 1740 |
| UniProt ID: | Q15700 |
| Cytogenetics: | 11q14.1 |
| Domains: | SH3, PDZ, Guanylate_kin, GuKc |
| Protein Families: | Druggable Genome |
| MW: | 97.6 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> |