

Product datasheet for **MC229127**

Dlg1 (NM_001252433) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg1 (NM_001252433) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlg1
Synonyms:	B130052P05Rik; Dlg1; E-dlg/SAP97; mKIAA4187; SAP-97; SAP97
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229127 representing NM_001252433
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTCCGGAAGCAAGATACCCAGAGAGCATTGCATCTGTTGGAAGAATATCGATCGAAACTAAGCC
 AAAGTGAAGACAGACAACCTCAGAAGTTCCATAGAGCGGGTTATTAACATATTTTCAGAGCAACCTCTTTCA
 GGCTTTAATAGATATTCAGAATTTTATGAAGTGACCTTACTTGATAATCCAAAATGTGTGGATCATTCA
 AAGCAGTGTGAACCAGTTCAGCCTGTGACTACTTGGGAGATTGCCAGCCTTCCAAGCACTGCCGTGACGT
 CAGAAACCCTGCCCGCAGCCTTAGCCCTCCAGTAGAGAAATACCGGTATCAGGATGAAGAGGACTTCC
 TCCTGAGCATATTTCCACAAGTCACAAATGAGGTGCTAGGTCCAGAAGTGGTCCATGTCTCAGAGAAG
 AACCTGTCAGAGATTGAGAATGTCCATGGATTTGTTTCTATTCTCATATCTACCAATAAAGGCAAAATC
 CTCCTCCAGTGTGGTCAACACAGACAGCTTAGAGACCAACTTATGTTAATGGCACTGATGCAGATTA
 TGAATATGAGGAAATCACACTTGAAGGGGAAATTCGGGTCTTGGTTTCAGCATTGCAGGAGGTACAGAC
 AACCCACACATTGGAGATGACTCAAGTATTTTCATCACAAAATATCACAGGCGGAGCGCTGCCCAGG
 ATGGAAGATTGCCGGTAAATGACTGTATACTGAGAGTAAATGAAGCAGAGCTTCGTGATGAACCCACAG
 CAAAGCAGTGGAGGCATTAAGAAGCTGGATCTATTGTGCGATTGTATGTGAAAAGCGGGAAGCCAGCA
 TCAGAAAAATCATGGAAATAAGCTCATTAAAGTCTAAAGTCTTGGGTTCCAGCATTGCTGGAGGTG
 TTGAAATCAGCACATTCCTGGTGATAACAGCATCTATGTAACAAAAATAATTGAAGGAGGTGCAGCACA
 CAAGGATGGCAAGCTTCAGATTGGAGATAAGCTTCTAGCAGTGAACAGTGTGTGTTAGAAGAAGTTACT
 CATGAAGAAGCAGTACTGCCTTAAAGAATACATCTGATTTTGTATTGTTGAAAGTGGCAAAACCAACA
 TGTACGCCCGTCTCTGCTTGGCCAGACGCCAACGTACCAGCCAGGTAATCACCCATTTCTAAAGCT
 GTGCTCGGAGATGACGAGTCACTAGGGAACCTAGAAAAGTTGTTCTTTCATCGTGGCTCAACAGGACTTG
 GTTTTAACTTGTGGGAGGTGAAGATGGAGAAGGGATTTTATCTCCTTCATCCTTGCTGGCGGACCTGC
 TGATCTAAGTGGAGAGCTCAGAAAAGGAGATCGCATCATATCGGTGAACAGTGTGACCTCAGAGCTGCA
 AGTCACGAACAAGCAGCAGCTGCACTAAAGAACGCAGGCCAAGCCGTACCATCGTTGCCAATATCGAC
 CCGAAGAGTACAGTCGTTTTGAAGCTAAAATCCATGACTTACGGGAGCAGATGATGAATAGCAGTGCAG
 TTCAGGGTCAGGGTCTCTTGAACCCAGCCAGAAGCGCTCCCTCTATGTCAGAGCCCTCTTGATTATGAC
 AAGACTAAGGACAGCGGGCTTCCAGTCAAGGACTGAACCTCCGCTTTGGAGACATCCTCCATGTATCA
 ATGCTTCTGACGACGAGTGGTGGCAAGCCAGGCAGGTACCCAGACGGGAGAGTGACGAAGTCCGAGT
 GATTCCTAGTAAACGAAGAGTTGAGAAGAAGGAACGAGCCGATTAACAAACGGTCAAATCAATTCTAAA
 ACAAGAGGAGATAAAGGGTCATTCAATGACAAGCGTAAAAAGAACCTCTTTTCCGAAAAATTTCCCTTCT
 ACAAGAACAAGGACCAGAGTGAACAGGAAACGAGTGTGCTGACCAGCAGTAACCTCAATGCCAGCGA
 TAGTGAAGTAGTTACCGTGGTCAAGAAGAAATGTTTTATCTTATGAGCCAGTGAATCAACAAGAAGTT
 AATTATACCCGACCAGTCATCATATTAGGACCTATGAAAGACAGAGTAAATGATGACTTAATCTCAGAAT
 TTCTGACAAATTTGGATCCTGTGTCCTCATACAAGTACAGCCGAGGAGTATGAGGTGGATGGACG
 AGATTATCATTGTTGACTTCAAGGGAACAGATGGAAAAGGATATTCAGGAGCATAAGTTCAATTGAAGCC
 GGCCAGTATAACAACCATCTGTATGGGACGAGCGTGCAGTCCGTGCGAGCAGTGGCAGAGAAGGGCAAAC
 ATTGTATCCTTGATGTGCTGGAATGCCATAAAGAGGTTGCAGATTGCACAGCTTTATCCAATATCTAT
 TTTTATTAACCCAAATCCATGGAAAATATCATGGAAAATGAACAAGCGCCTAACAGAAGAGCAGGCCAGA
 AAAACATTTGAGAGAGCCATGAAGCTGGAGCAGGAGTTCACTGAGCATTTACAGCTATTGTCCAGGGAG
 ACACGCTGGAGGACATTTACAACCAAGTAAACAGATCATCGAAGAACAGTCTGGGCCTTACATCTGGGT
 CCCAGCGAAAGAAAAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001252433

Insert Size:	2682 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252433.1 , NP_001239362.1
RefSeq Size:	4675 bp
RefSeq ORF:	2682 bp
Locus ID:	13383
UniProt ID:	Q811D0
Cytogenetics:	16 22.4 cM
Gene Summary:	<p>Essential multidomain scaffolding protein required for normal development. Recruits channels, receptors and signaling molecules to discrete plasma membrane domains in polarized cells. Regulates the excitability of cardiac myocytes by modulating the functional expression of Kv4 channels (By similarity). Functional regulator of Kv1.5 channel (By similarity). May play a role in adherens junction assembly, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon and uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than 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.</p>