

Product datasheet for **MC229150**

Dlg1 (NM_001252435) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg1 (NM_001252435) 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: >MC229150 representing NM_001252435
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTCCGGAAGCAAGATACCCAGAGAGCATTGCATCTGTTGGAAGAATATCGATCGAAACTAAGCC
 AAAGTGAAGACAGACAACCTCAGAAGTCCATAGAGCGGGTTATTAACATATTTTCAGAGCAACCTCTTTCA
 GGCTTTAATAGATATTCAGAATTTTATGAAGTGACCTTACTTGATAATCCAAAATGTGTGGATCATTCA
 AAGCAGTGTGAACCAGTTCAGCCTGTGACTACTTGGGAGATTGCCAGCCTTCCAAGCACTGCCGTGACGT
 CAGAAACCCTGCCGGCAGCCTTAGCCCTCCAGTAGAGAAATACCGGTATCAGGATGAAGAGGACTTCC
 TCCTGAGCATATTTCTCCACAAGTCACAAATGAGGTGCTAGGTCCAGAAGTGGTCCATGTCTCAGAGAAG
 AACCTGTCAGAGATTGAGAATGTCCATGGATTTGTTTCTATTCTCATATCTACCAATAAAGCCACAG
 AAGCTGTTCTCCCTCTCTCCATTGTCCCTGTGACCCCTGCCCTGCCAGTCCCTGCTGAGAGTACTGT
 CGTCTGCCCTCCGACCCACAGGCAATCCTCCTCCAGTGTGGTCAACACAGACAGCTTAGAGACACCA
 ACTTATGTTAATGGCACTGATGCAGATTATGAATATGAGGAAATCACACTTGAAAGGGGAAATTCGGGTC
 TTGGTTTCAGCATTGCAGGAGGTACAGACAACCCACACATTGGAGATGACTCAAGTATTTTCATACCAA
 AATTATCACAGGCGGAGCGGCTGCCAGGATGGAAGATTGCGGGTAAATGACTGTATACTGAGAGTAAAT
 GAAGCAGACGTTCTGTGATGTAACCCACAGCAAAGCAGTGGAGGCATTAAGAAGCTGGATCTATTGTGC
 GATTGTATGTGAAAAGGCGGAAGCCAGCATCAGAAAAATCATGGAAATAAAGCTCATTAAAGGTCTAA
 AGGTCTGGGTTGAGCATTGCTGGAGGTGTTGGAATCAGCACATTCTGGTGATAACAGCATCTATGTA
 ACCAAAAATAATTGAAGGAGGTGCAGCACACAAGGATGGCAAGCTCAGATTGGAGATAAGCTTCTAGCAG
 TGAACAGTGTGTTTAGAAGAAGTTACTCATGAAGAAGCAGTACTGCCTTAAAGAATACATCTGATTT
 TGTATTGAAAGTGGCAAAACCAACAAGTATGTATATAAATGATGGCTATGCACCACCTGACATCACT
 AATTCTTCTTCAATCTGTTGACAACCATGTGACCCCTCTCTGCTTGGGCCAGACGCCAACGTGAC
 CAGCCAGTACTACCCATTTCTAAAGCTGTGCTCGGAGATGACGAGATCACTAGGGAACCTAGAAAAGT
 TGTTCTTCATCGTGGCTCAACAGGACTTGGTTTTAACATTGTGGGAGGTGAAGTGGAGAAGGGATTTTT
 ATCTCCTTCATCCTTGTGGCGGACCTGCTGATCTAAGTGGAGAGCTCAGAAAAGGAGATCGCATCATAT
 CGGTGAACAGTGTGACCTCAGAGCTGCAAGTACGAACAAGCAGCAGCTGCACTAAAGAACGCAGGCCA
 AGCCGTACCATCGTTGCGCAATATCGACCCGAAGAGTACAGTCTTTTTGAAGCTAAAATCCATGACTTA
 CGGGAGCAGATGATGAATAGCAGTGTGAGTTCAGGGTCAAGGCTCTTTCGAACCGCCAGAACGCTCCC
 TCTATGTCAGAGCCCTTTTATTATGACAAGACTAAGGACAGCGGGCTTCCAGTCAAGGACTGAACTT
 CCGCTTTGGAGACATCCTCCATGTCATCAATGCTTCTGACGACGAGTGGTGGCAAGCCAGGCAGGTCAAC
 CCAGACGGGGAGAGTGACGAAGTCGGAGTGATTCTAGTAAACGAAGAGTTGAGAAGAAGGAACGAGCCC
 GATTA AAAACGGTCAAATTC AATTTCTAAAACAAGAGGAGATAAAGGGGAGATCCCTGACGACATGGGATC
 AAAAGGCTGAAGCACGTAACCTCTAATGCCAGCGATAGTGAAAGTAGTTACCGTGGTCAAGAAGAATAT
 GTTTTATCTTATGAGCCAGTGAATCAACAAGAAGTTAATTATACCCGACCAGTATCATATTAGGACCTA
 TGAAAGACAGAGTAAATGATGACTTAATCTCAGAATTTCTGACAAATTTGGATCCTGTGCCCTCATA
 AACTAGACCGAAGCGTACTATGAGGTGGATGGACGAGATTATCATTGTTGACTTCAAGGGAACAGATG
 GAAAAGGATATTGAGGAGCATAAGTTTATTGAAGCCGGCCAGTATAACAACCATCTGTATGGGACGAGCG
 TGACAGTCCGTGCGAGCAGTGGCAGAGAAGGGCAAACATTGTATCCTTGATGTGTCTGGAATGCCATAAA
 GAGGTTGCAGATTGCACAGCTTTATCCAATATCTATTTTTATTAACCCAAATCCATGGAAAATATCATG
 GAAATGAACAAGCGCCTAACAGAAGAGCAGGCCAGAAAAACATTTGAGAGAGCCATGAAGCTGGAGCAGG
 AGTTCACTGAGCATTTCACAGCTATTGTCCAGGGAGACACGCTGGAGGACATTTACAACCAAGTGAACA
 GATCATCGAAGAACAGTCTGGCCCTTACATCTGGGTCCCAGCGAAAGAAAAGCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001252435

Insert Size:	2718 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_001252435.1 , NP_001239364.1
RefSeq Size:	4370 bp
RefSeq ORF:	2718 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 (4) differs in the 5' UTR, lacks an exon and includes an alternate exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (4) 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>