

Product datasheet for **MC222625**

Dlg1 (NM_007862) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg1 (NM_007862) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlg1
Synonyms:	B130052P05Rik; Dlg1; E-dlg/SAP97; mKIAA4187; SAP-97; SAP97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222625 representing NM_007862
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTCCGGAAGCAAGATACCCAGAGAGCATTGCATCTGTTGGAAGAATATCGATCGAAACTAAGCC
 AAAGTGAAGACAGACAACCTCAGAAGTCCATAGAGCGGGTATTAAACATATTTTCAGAGCAACCTCTTTCA
 GGCTTTAATAGATATTCAGAATTTTATGAAGTGACCTTACTTGATAATCCAAAATGTGTGGATCATTCA
 AAGCAGTGTGAACCAGTTCAGCCTGTGACTACTTGGGAGATTGCCAGCCTTCCAAGCACTGCCGTGACGT
 CAGAAACCCTGCCCGCAGCCTTAGCCCTCCAGTAGAGAAATACCGGTATCAGGATGAAGAGGACTTCC
 TCCTGAGCATATTTCTCCACAAGTCACAAATGAGGTGCTAGGTCCAGAAGTGGTCCATGTCTCAGAGAAG
 AACCTGTCAGAGATTGAGAATGTCCATGGATTTGTTTCTATTCTCATATCTACCAATAAAGCCACAG
 AAGCTGTTCTCCCTCTCTCCATTGTCCCTGTGACCCCTGCCCTGCCAGTCCCTGCTGAGAGTACTGT
 CGTCTGCCCTCCGACCCACAGGCAATCCTCCTCCAGTCTGGTCAACACAGACAGCTTAGAGACACCA
 ACTTATGTTAATGGCACTGATGCAGATTATGAATATGAGGAAATCACACTTGAAAGGGGAAATTCGGGTC
 TTGGTTTCAGCATTGCAGGAGGTACAGACAACCCACACATTGGAGATGACTCAAGTATTTTCATACCAA
 AATTATCACAGGCGGAGCGGCTGCCAGGATGGAAGATTGCGGGTAAATGACTGTATACTGAGAGTAAAT
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 TGAACAGTGTGTGTTTGAAGAAGTTACTCATGAAGAAGCAGTACTGCCTTAAAGAATACATCTGATTT
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 CAGCCAGTACTCACCAATTTCTAAAGCTGTGCTCGGAGATGACGAGATCACTAGGGAACCTAGAAAAGT
 TGTTCTTCATCGTGGCTCAACAGGACTTGGTTTTAACATTGTGGGAGGTGAAGTGGAGAAGGGATTTTT
 ATCTCCTTCATCCTTGTGGCGGACCTGCTGATCTAAGTGGAGAGCTCAGAAAAGGAGATCGCATCATAT
 CGGTGAACAGTGTGACCTCAGAGCTGCAAGTACGAACAAGCAGCAGCTGCACTAAAGAACGCAGGCCA
 AGCCGTCACCATCGTTGCGCAATATCGACCCGAAGAGTACAGTCTTTTTGAAGCTAAAATCCATGACTTA
 CGGGAGCAGATGATGAATAGCAGTGTGAGTTCAGGGTCAAGGCTCTTTCGAACCAGCCAGAAAGCCTCCC
 TCTATGTCAGAGCCCTTTTGATTATGACAAGACTAAGGACAGCGGGCTCCCAAGTCAAGGACTGAACTT
 CCGCTTTGGAGACATCCTCCATGTCATCAATGCTTCTGACGACGAGTGGTGGCAAGCCAGGCAGGTCAAC
 CCAGACGGGGAGAGTGACGAAGTCCGAGTGATTCTAGTAAACGAAGAGTTGAGAAGAAGGAACGAGCCC
 GATTA AAAACGGTCAAATTC AATTTCAAAA CAAGAGGAGATAAAGGGCAGTCAATTC AATGACAAGCGTAA
 AAAGAACCTCTTTTCCGAAAATTTCCCTTCTACAAGAACAAGGACCAGAGTGAACAGGAAACGAGTGAT
 GCTGACCAGCACGTAACCTCTAATGCCAGCGATAGTGAAGTAGTTACCGTGGTCAAGAAGAATATGTTT
 TATCTTATGAGCCAGTGAATCAACAAGAAGTTAATTATACCCGACCAGTCAATATTAGGACCTATGAA
 AGACAGAGTAAATGATGACTTAATCTCAGAATTTCTGACAAATTTGGATCCTGTGCTCCTCATACAACT
 AGACCGAAGCGTGACTATGAGGTGGATGGACGAGATTATCATTTTGTGACTTCAAGGGAACAGATGGAAA
 AGGATATTCAGGAGCATAAGTTCATTGAAGCCGCCAGTATAACAACCATCTGTATGGGACGAGCGTGCA
 GTCCGTGCGAGCAGTGGCAGAGAAGGGCAACATTGTATCCTTGTGTCTGGAATGCCATAAAGAGG
 TTGAGATTGCACAGCTTATCCAATATCTATTTTTATTAACCCAAATCCATGGAAAATATCATGGAAA
 TGAACAAGCGCTAACAGAAGAGCAGGCCAGAAAAACATTTGAGAGAGCCATGAAGCTGGAGCAGGAGTT
 CACTGAGCATTTACAGCTATTGTCCAGGGAGACAGCTGGAGGACATTTACAACCAAGTGAACAGATC
 ATCGAAGAACAGTCTGGGCTTACATCTGGGTCCAGCGAAAGAAAAGCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN:	NM_007862
Insert Size:	2784 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).
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:	BC057118 , AAH57118
RefSeq Size:	4677 bp
RefSeq ORF:	2784 bp
Locus ID:	13383
UniProt ID:	Q811D0
Cytogenetics:	16 22.4 cM
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.