

Product datasheet for **MC228990**

Dlg3 (NM_001290402) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001290402) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlg3
Synonyms:	Dlgh3; mKIAA1232; SAP102
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228990 representing NM_001290402
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACAAGCACCAGACTGCTGTAAGTCCCCGAGTGCATATGAGGTGACCCGCCTGGCCGCCCTGCGGC
 GTCTTGAGCCTCCTGGCTACGGGACTGGCAGGTGCCGACCCCTATGGGCCAAGTGGGGCAATGGGGC
 TAGCTCCGGTTATGGAGGCTACAGCTCGCAGACCCCTGCCTTCACAGGCAGGGGCTACCCCAACCCCTCGC
 ACCAAGGCCAAGCTCATCCACAGGCCGAGATGTGGGGCAGTGCCCTTAAGCCAGTCCCGGCAAGA
 GCACCCAAAACCAACGGCAGTGGCCCGGCTGGTGGCCGAGTGACCTGTACCAACCGGACTGGTA
 TGAGCAGGTGAATGGCAGTATGGCATGTTCAAGTATGAGGAGATAGTACTGGAACGGGGCAACTCTGGC
 CTTGGCTTCAGTATCGCAGGTGGCATCGACAACCCCTATGTCCCTGATGACCCTGGCATCTTTATTACCA
 AGATCATTCTGGTGGAGCAGCTGCCATGGATGGGAGGCTGGGGTGAATGACTGTGTGCTACGGGTGAA
 TGAGGTGGACGTGTCGAGGTGGTGCACAGCCGGCCGCTGGAGGCACTGAAGGAGCAGGCCCTGTGGT
 CGGTTGGTGGTGGGAGGCGACAGCCCACTGAGACTATCATGGAGGTCAACCTGCTCAAAGGGCCAA
 AAGGCCTAGGTTTCAGCATTGCTGGGGGATTGGCAACCAGCACATCCCAGGAGACAACAGCATCTATAT
 CACCAAGATCATTGAAGGAGGAGCTGCTCAGAAGGATGGACGCCTACAGATTGGGGACCGGCTGCTTGGC
 GTGAACAATACCAATCTGCAGGATGTGAGGCATGAGGAAGCTGTGGCCTCACTCAAGAACACATCAGACA
 TGGTCTATCTGAAGTGGCCAAGCCAGGCAGCATCCACCTCAACGATATGTATGCTCCCCCTGACTATGC
 CAGCACTTTCAGTGCCTGGCTGACAATCACATAAGCCATAATCCAGCCTGGGTTATCTGGGGCAGTG
 GAGAGCAAGGTCACCTACCCTGCTCCACCTCAGGTGCCCTACTCGTTACTCTCTATTCCAGACACA
 TGCTGGCTGAGGAAGACTTTACCAGAGAGCCCGCAAGATCACTCTGCACAAAGTTCTACAGCCCTGGG
 CTTCAACATTGTAGGAGGAGAAGATGGAGAAGGCATTTTGTTCCTTCATCCTGGCGGGAGGCCAGCA
 GACCTAAGTGGGAGTTGCGAAGGGGAGACCGGATCTTATCGGTAATGGAGTCAACCTGAGGAATGCTA
 CCCACGAGCAAGCAGCGGCTGCTCTGAAACGGGCTGGCCAGTCACTCACCATTGTGGCCAGTATAGACC
 TGAAGAGTACAGTCGCTTGAATCCAAGATCCATGACTTGCAGGAAACAAATGATGAACAGCAGCATGAGT
 TCTGGGCTGGGCTCTCCGAACCAGTGAAGAGGTCCTTGTATGTGAGGGCCCTGTTTGATTATGATC
 GGACTCGTGACAGCTGTCTACCAAGCCAGGACTCAGTTTCTCTTATGGTACATTCTGCACGTCATTAA
 CGCCTCTGATGATGAGTGGTGGCAAGCAAGGCTGGTACTCCTCATGGAGAGAGTGAACAGATCGGTGTG
 ATCCCTAGTAAAAGAGGGTGGAAAAGAAAGAGCGAGCTCGATTGAAAACGTGAAGTTCATGCCAGGA
 CAGGGATGATTGAGTCTAATCGGACTTCCCTGGGTTAAGTGACGATTATTATGGAGCAAAGAACCTGAA
 AGGACAAGAGGATGCTATTTTGTATATGAGCCAGTGACACGACAAGAAATTCATATGCCAGGCCCTGTG
 ATCATCTTGGGCCAATGAAGGACCGAGTCAACGATGACCTCATCTGAGTTCCCGCATAAATTTGGAT
 CCTGTGTGCCACATACCACCCGGCTCGGCGTGATAACGAGGTAGATGGACAGGATTACCACTTTGTGGT
 TTCCCGGAACAAATGGAGAAGGATATTCAGGACAACAAGTTCATTGAGGCGGGCCAGTTCAATGATAAT
 CTCTATGGGACCAGCATCCAGTCTGTGCGGGCAGTTGCAGAGAGGGGCAAGCACTGCATCTTAGATGTCT
 CCGGCAACGCCATAAAGAGACTGCAGCAAGCACAACCTTATCCATTGCCATTTTCATCAAGCCCAAGTC
 CATTGAAGCACTTATGGAAATGAACCGACGGCAGACATACGAACAAGCAAATAAGATCTTTGATAAAGCC
 ATGAAACTGGAGCAAGAATTTGGAGAATACTTTACAGCCATTGTACAGGGTGACTACTGGAAGAGATTT
 ATAACAAAATCAAACAAATCATTGAGGACCAGTCTGGGCACTACATTTGGTCCCATCCCTGAAAAACT
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290402
Insert Size: 2454 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:	<u>NM_001290402.1, NP_001277331.1</u>
RefSeq Size:	4905 bp
RefSeq ORF:	2454 bp
Locus ID:	53310
Cytogenetics:	X C3
Gene Summary:	<p>Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) lacks two alternate in-frame exons, compared to variant 1. The encoded isoform (5) is shorter than isoform 1.</p>