

Product datasheet for **MC222053**

Dlg3 (NM_016747) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_016747) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlg3
Synonyms:	Dlgh3; mKIAA1232; SAP102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222053 representing NM_016747
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACAAGCACCAGCACTGCTGTAAGTCCCCGAGTGCCTATGAGGTGACCCGCCTGGCCGCCCTGCGGC
 GTCTTGAGCCTCCTGGCTACGGGGACTGGCAGGTGCCGGACCCCTATGGGCCAAGTGGGGCAATGGGGC
 TAGCTCCGGTTATGGAGGCTACAGCTCGCAGACCCCTGCCTTCACAGGCAGGGGCTACCCCAACCCCTCGC
 ACCAAGGCCAAGCTCATCCACAGGCCGAGATGTGGGGCAGTGCCCTTAAGCCAGTCCCGGCAAGA
 GCACCCAAAACCAACGGCAGTGGCCCGGCTGGTGGCCGAGTGACCTGTACCAACCGGACTGGTA
 TGAGCAGGCCAGCCCTGCACCCCTCTAGTGAACCCGAGGCCCTGGAGCCAGCCTATCGGTGAATGGC
 AGTGATGGCATGTTCAAGTATGAGGAGATAGTACTGGAACGGGGCAACTCTGGCCTTGCTTCAGTATCG
 CAGGTGGCATCGACAACCCCTCATGTCCCTGATGACCCTGGCATCTTTATTACCAAGATCATTCTGGTGG
 AGCAGCTGCCATGGATGGGAGGCTGGGGTGAATGACTGTGTGCTACGGGTGAATGAGGTGGACGTGCC
 GAGGTGGTGCACAGCCGGCCGTGGAGGCACTGAAGGAGGCAGGCCCTGTGGTGGGTGGTGGTGGCGGA
 GGCGACAGCCCCACCTGAGACTATCATGGAGGTCAACCTGCTCAAGGGCCAAAAGGCCTAGGTTTCAG
 CATTGCTGGGGGATTGGCAACCAGCACATCCCAGGAGACAACAGCATCTATACCAAGATCATTGAA
 GGAGGAGCTGCTCAGAAGGATGGACGCCTACAGATTGGGGACCGCTGCTTGGGTGAACAATACCAATC
 TGCAGGATGTGAGGCATGAGGAAGCTGTGGCCTCACTCAAGAACACATCAGACATGGTCTATCTGAAGGT
 GGCCAAGCCAGGCAGCATCCACCTCAACGATATGTATGCTCCCTGACTATGCCAGCACTTCTACTGCC
 TTGGCTGACAATCACATAAGCCATAATCCAGCCTGGGTATCTTGGGGCAGTGGAGACAAGGTCACT
 ACCCTGCTCCACCTCAGGTGCCCTACTGTTACTCTCTCTATCCAGACACATGCTGGTGGTGGGAGA
 CTTTACCAGAGAGCCCCGCAAGATCATCTGCACAAAGGTTCTACAGCCCTGGGCTTCAACATTGTAGGA
 GGAGAAGATGGAGAAGGCATTTTTGTTTCTTCATCCTGGCGGGAGGCCAGCAGACCTAAGTGGGGAGT
 TGCGAAGGGGAGACCGGATCTTATCGGTAATGGAGTCAACCTGAGGAATGCTACCCACGAGCAAGCAGC
 GGCTGCTCTGAAACGGGCTGGCCAGTCAGTCACCATTGTGGCCAGTATAGACCTGAAGAGTACAGTCGC
 TTTGAATCCAAGATCCATGACTTGGGGAACAAATGATGAACAGCAGCATGAGTTCTGGGTCTGGGTCTC
 TCCGAACCAGTGAGAAGAGTCTTGTATGTCAGGGCCCTGTTTGATTATGATCGGACTCGTGACAGCTG
 TCTACCAAGCCAGGACTCAGTTTCTTATGGTGACATTCTGCACGTCATTAACGCCTCTGATGATGAG
 TGGTGGCAAGCAAGGCTGGTACTCCTCATGGAGAGAGTGAACAGATCGGTGTGATCCCTAGTAAAAGA
 GGGTGGAAAAGAAAGAGCGAGCTCGATTGAAAACGTGGAAGTTCCATGCCAGGACAGGGATGATTGAGTC
 TAATCGGGACTTCCCTGGGTTAAGTGACGATTATTATGGAGCAAAAGAACCTGAAGGGAGTGACATCCAAC
 ACCAGTGACAGCGAAAGCAGTTCCAAAGGACAAGAGGATGCTATTTTGTGATATGAGCCAGTGACACGAC
 AAGAAATTCATATGCCAGGCCTGTGATCATCTTGGGCCCAATGAAGGACCGAGTCAACGATGACCTCAT
 CTCTGAGTTCCCGCATAAATTTGGATCCTGTGTGCCACATACCACCCGGCCTCGGCGTGATAACGAGGTA
 GATGGACAGGATTACCACTTTGTGGTTCCCGGGAACAAATGGAGAAGGATATTCAGGACAACAAGTTCA
 TTGAGGCGGGCCAGTTCAATGATAATCTCTATGGGACCAGCATCCAGTCTGTGCGGGCAGTTGCAGAGAG
 GGGCAAGCACTGCATCTTAGATGTCTCCGGCAACGCCATAAAGAGACTGCAGCAAGCAACTTTATCCC
 ATTGCCATTTTCATCAAGCCCAAGTCCATTGAAGCACTTATGAAATGAACCGACGGCAGACATACGAAC
 AAGCAAATAAGATCTTTGATAAAGCCATGAAACTGGAGCAAGAATTTGGAGAATACTTTACAGCCATTGT
 ACAGGGTGACTCACTGGAAGAGATTTATAACAAAATCAAACAAATCATTGAGGACCAGTCTGGGCACTAC
 ATTTGGTCCCCTGCCCTGAAAACT**TGA**

ACGCGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_016747
Insert Size: 2550 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:	NM_016747.4 , NP_058027.1
RefSeq Size:	5001 bp
RefSeq ORF:	2550 bp
Locus ID:	53310
UniProt ID:	P70175
Cytogenetics:	X C3
Gene Summary:	Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).