

Product datasheet for **MC221942**

Dlg3 (NM_001177778) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001177778) 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: >MC221942 representing NM_001177778
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACAAGCACCAGCACTGCTGTAAGTGCCCGAGTGCTATGAGGTGACCCGCCTGGCCGCCCTGCGGC
 GTCTTGAGCCTCCTGGCTACGGGGACTGGCAGGTGCCGGACCCCTATGGGCCAAGTGGGGCAATGGGGC
 TAGCTCCGGTTATGGAGGCTACAGCTCGCAGACCCCTGCCTTCACAGGCAGGGGCTACCCCAACCCCTCGC
 ACCAAGGCCAAGCTCATCCACAGGCCGAGATGTGGGGCAGTGCCCCCTAAGCCAGTCCCGGCAAGA
 GCACCCCAAACTCAACGGCAGTGGCCCGGCTGGTGGCCGAGTGACCTGTACCAACCGGACTGGTA
 TGAGCAGGCCAGCCCTGCACCCCTCTAGTGAACCCGAGGCCCTGGAGCCAGCCTATCGGTGAATGGC
 AGTGATGGCATGTTCAAGTATGAGGAGATAGTACTGGAACGGGGCAACTCTGGCCTTGCTTCAGTATCG
 CAGGTGGCATCGACAACCCTCATGTCCCTGATGACCCTGGCATCTTTATTACCAAGATCATTCTGGTGG
 AGCAGCTGCCATGGATGGGAGGCTGGGGTGAATGACTGTGTGCTACGGGTGAATGAGGTGGACGTGCC
 GAGGTGGTGCACAGCCGGCCGTGGAGGCACTGAAGGAGGCAGGCCCTGTGGTGGGTTGGTGGTGGCGGA
 GGCGACAGCCCCACCTGAGACTATCATGGAGGTCAACCTGCTCAAGGGCCAAAAGGCCTAGGTTTCAG
 CATTGCTGGGGGATTGGCAACCAGCACATCCCAGGAGACAACAGCATCTATACCAAGATCATTGAA
 GGAGGAGCTGCTCAGAAGGATGGACGCCTACAGATTGGGGACCGGCTGCTTGGCGTGAACAATACCAATC
 TGCAGGATGTGAGGCATGAGGAAGCTGTGGCCTCACTCAAGAACACATCAGACATGGTCTATCTGAAGGT
 GGCCAAGCCAGGCAGCATCCACCTCAACGATATGTATGCTCCCTGACTATGCCAGCACTTCTACTGCC
 TTGGCTGACAATCACATAAGCCATAATCCAGCCTGGGTATCTTGGGGCAGTGGAGACAAGGTCACCT
 ACCCTGCTCCACTCAGGTGCCCTACTCGTTACTCTCTCTATCCAGACACATGCTGGCTGAGGAAGA
 CTTTACCAGAGAGCCCCGCAAGATCATCTGCACAAAGGTTCTACAGGCCCTGGGCTTCAACATTGTAGGA
 GGAGAAGATGGAGAAGGCATTTTTGTTTCTTCTCCTGGCGGGAGGCCAGCAGACCTAAGTGGGGAGT
 TGCGAAGGGGAGACCGGATCTTATCGGTAATGGAGTCAACCTGAGGAATGCTACCCACGAGCAAGCAGC
 GGCTGCTCTGAAACGGGCTGGCCAGTCAGTCACCATTGTGGCCAGTATAGACCTGAAGAGTACAGTCGC
 TTTGAATCCAAGATCCATGACTTGGGGAACAAATGATGAACAGCAGCATGAGTTCTGGGCTGGGTCTC
 TCCGAACCAGTGAGAAGAGGTCCTTGTATGTCAGGGCCCTGTTTGATTATGATCGGACTCGTGACAGCTG
 TCTACCAAGCCAGGACTCAGTTTCTTATGGTGACATTCTGCACGTCATTAACGCCTCTGATGATGAG
 TGGTGGCAAGCAAGGCTGGTACTCCTCATGGAGAGAGTGAACAGATCGGTGTGATCCCTAGTAAAAGA
 GGGTGGAAAAGAAAGAGCGAGCTCGATTGAAAACGTGGAAGTTCCATGCCAGGACAGGGATGATTGAGTC
 TAATCGGGACTTCCCTGGGTTAAGTGACGATTATTATGGAGCAAAAGAACCTGAAAGGACAAGAGGATGCT
 ATTTTGTGATGAGCCAGTGACACGACAAGAAATTCATCTATGCCAGGCCTGTGATCATCTTGGGCCAA
 TGAAGGACCGAGTCAACGATGACCTCATCTGAGTTCGCCGATAAAATTTGGATCCTGTGTGCCACATAC
 CACCCGGCCTCGGCGTGATAACGAGGTAGATGGACAGGATTACCACTTTGTGGTTTCCGGGAACAAATG
 GAGAAGGATATTCAGGACAACAAGTTTATTGAGGCGGGCCAGTTCAATGATAATCTCTATGGGACCAGCA
 TCCAGTCTGTGCGGGCAGTTGCAGAGAGGGGCAAGCACTGCATCTTAGATGTCTCCGGCAACGCCATAAA
 GAGACTGCAGCAAGCACAACCTTTATCCCATTTGCCATTTTCATCAAGCCCAAGTCCATTGAAGCACTTATG
 GAAATGAACCGACGGCAGACATACGAACAAGCAAATAAGATCTTTGATAAAGCCATGAAACTGGAGCAAG
 AATTTGGAGAATACTTTACAGCCATTGTACAGGGTACTCACTGGAAGAGATTTATAACAAAATCAAACA
 AATCATTGAGGACCAGTCTGGGCACTACATTTGGGTCCCATCCCTGAAAAACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001177778
Insert Size: 2508 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:	<u>NM_001177778.2</u> , <u>NP_001171249.1</u>
RefSeq Size:	4959 bp
RefSeq ORF:	2508 bp
Locus ID:	53310
UniProt ID:	<u>P70175</u>
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 (2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.