

Product datasheet for **MC217300**

Dlg3 (NM_001177779) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001177779) 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: >MC217300 representing NM_001177779
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACGGCTCGCAAGTTCTCAGGCTCAAGCTTGGCCCTGGGTTTGGGCTCGGCCTCTGCTTCAGCCT
 GGAGGAGGGCTTCGCAGAGGTGGCCCTGGCCGCTCCGTTCCCTGCGGCCTGGAGGGGATGCCAGAGAGCC
 CCGCAAGATCATCTGCACAAAGTTCTACAGGCTGGGCTTCAACATTGTAGGAGGAGAAGATGGAGAA
 GGCATTTTTGTTTCTTCATCTGGCGGGAGGCCAGCAGACCTAAGTGGGGAGTTGCGAAGGGGAGACC
 GGATCTTATCGGTAAATGGAGTCAACCTGAGGAATGCTACCCACGAGCAAGCAGCGGCTGCTCTGAAACG
 GGCTGGCCAGTCAGTCACCATTGTGCCAGTATAGACCTGAAGAGTACAGTCGCTTTGAATCCAAGATC
 CATGACTTGGCGGAACAAATGATGAACAGCAGCATGAGTTCTGGGCTGGGTCTCTCGAACCAGTGAGA
 AGAGGTCCTTGTATGTCAGGGCCCTGTTTGATTATGATCGGACTCGTGACAGCTGTCTACCAAGCCAGGG
 ACTCAGTTTCTCTTATGGTGACATTCTGCACGTCATTAACGCCTCTGATGATGAGTGGTGGCAAGCAAGG
 CTGGTGACTCCTCATGGAGAGAGTGAACAGATCGGTGTGATCCCTAGTAAAAAGAGGGTGGAAAAGAAAG
 AGCGAGCTCGATTGAAAAGTGTGAAGTTCATGCCAGGACAGGGATGATTGAGTCTAATCGGTTCGATCAA
 AACGAAACGTAAGAGATTTTCGCCTCTCTCGAAAGTTTCCATTTTACAAGAGCAAAGAAAACATGGCC
 CAGGAGAACAGCATACAGGAACAGGGAGTGACATCCAACACCAGTGACAGCGAAAGCAGTTCCAAAGGAC
 AAGAGGATGCTATTTTGTATATGAGCCAGTGACACGACAAGAAATTCATATGCCAGGCCGTGTGATCAT
 CTTGGGCCCAATGAAGGACCGAGTCAACGATGACCTCATCTCTGAGTTCCCGCATAAATTTGGATCCTGT
 GTGCCACATACCACCCGGCTCGGCGTGATAACGAGGTAGATGGACAGGATTACCACTTTGTGGTTTCCC
 GGAACAAATGGAGAAGGATATTCAGGACAACAAGTTTCATTGAGCGGGCCAGTTCAATGATAATCTCTA
 TGGGACCAGCATCCAGTCTGTGCGGGCAGTTGCAGAGAGGGGCAAGCACTGCATCTTAGATGTCTCCGGC
 AACGCCATAAAGAGACTGCAGCAAGCACAACTTTATCCATTGCCATTTTCATCAAGCCCAAGTCCATTG
 AAGCACTTATGGAATGAACCGACGGCAGACATACGAACAAGCAAATAAGATCTTTGATAAAGCCATGAA
 ACTGGAGCAAGAATTTGGAGAATACTTTACAGCCATTGTACAGGGTGACTCACTGGAAGAGATTTATAAC
 AAAATCAAACAAATCATTGAGGACCAGTCTGGGCACTACATTTGGGTCCCATCCCCTGAAAAACT**CTGA**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001177779

Insert Size: 1539 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:

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_001177779.1](#), [NP_001171250.1](#)

RefSeq Size: 3956 bp

RefSeq ORF: 1539 bp

Locus ID: 53310

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 (3) differs in the 5' UTR, contains multiple differences in the coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.