

Product datasheet for **MR220793**

Dlg3 (NM_001177779) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001177779) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dlg3
Synonyms:	Dlgh3; mKIAA1232; SAP102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR220793 representing NM_001177779
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGACGGCTCGCAAGTTCTCAGGCTCAAGCTTGGCCCTGGGTTTGGGCTCGGCCTCTGCTTCAGCCT
 GGAGGAGGGCTTCGAGAGGTGGCCCTGGCCGCTCCGTTCCCTGCGGCCCTGGAGGGGATGCCAGAGAGCC
 CCGCAAGATCATCTGCACAAAGTTCTACAGGCTGGGCTTCAACATTGTAGGAGGAGAAGATGGAGAA
 GGCATTTTTGTTTCTTCATCTGGCGGGAGGCCAGCAGACCTAAGTGGGGAGTTGCGAAGGGGAGACC
 GGATCTTATCGGTAAATGGAGTCAACCTGAGGAATGCTACCCACGAGCAAGCAGCGGCTGCTCTGAAACG
 GGCTGGCCAGTCAGTACCATTGTGCCAGTATAGACCTGAAGAGTACAGTCGCTTTGAATCCAAGATC
 CATGACTTGGCGGAACAAATGATGAACAGCAGCATGAGTTCTGGGCTGGGTCTCTCGAACCAGTGAGA
 AGAGGTCCTTGTATGTCAGGGCCCTGTTGATTATGATCGGACTCGTGACAGCTGTCTACCAAGCCAGGG
 ACTCAGTTTCTCTTATGGTGACATTCTGCACGTCATTAACGCCTCTGATGATGAGTGGTGGCAAGCAAGG
 CTGGTGACTCCTCATGGAGAGAGTGAACAGATCGGTGTGATCCCTAGTAAAAAGAGGGTGGAAAAGAAAAG
 AGCGAGCTCGATTGAAAAGTGTGAAGTCCATGCCAGGACAGGGATGATTGAGTCTAATCGGTGATCAA
 AACGAAACGTAAGAGATTTTCGCCTCTCTCGAAAGTTTCCATTTTACAAGAGCAAAGAAAACATGGCC
 CAGGAGAACAGCATACAGGAACAGGGAGTGACATCCAACACCAAGTACAGCGAAAGCAGTTCCAAAGGAC
 AAGAGGATGCTATTTTGTATATGAGCCAGTGACACGACAAGAAATCACTATGCCAGGCCGTGATCAT
 CTTGGGCCCAATGAAGGACCGAGTCAACGATGACCTCATCTCTGAGTTCCCGCATAAATTTGGATCCTGT
 GTGCCACATAACCCCGGCTCGCGTGATAACGAGGTAGATGGACAGGATTACCACTTTGTGGTTTCCC
 GGGAACAAATGGAGAAGGATATTCAGGACAACAAGTTTCATTGAGGCGGGCCAGTTCAATGATAACTCTCTA
 TGGGACCAGCATCCAGTCTGTGCGGGCAGTTGACAGAGAGGGCAAGCACTGCATCTTAGATGTCTCCGGC
 AACGCCATAAAGAGACTGCAGCAAGCACAACTTTATCCATTGCCATTTTCATCAAGCCCAAGTCCATTG
 AAGCACTTATGGAATGAACCGACGGCAGACATACGAACAAGCAAATAAGATCTTTGATAAAGCCATGAA
 ACTGGAGCAAGAATTTGGAGAATACTTTACAGCCATTGTACAGGGTGACTCACTGGAAGAGATTTATAAC
 AAAATCAAACAAATCATTGAGGACCAGTCTGGGCACTACATTTGGGTCCCATCCCCTGAAAAACT

**ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>MR220793 representing NM_001177779
 Red=Cloning site Green=Tags(s)

METARKFSGSSLALGLGSASASAWRRASQRWAWPLRSLRPGDAREPRKIIILHKGSTGLGFNIVGGEDGE
 GIFVSEFILAGGPADLSEGLRRGDRILSVNGVNLRNATHEQAAAALKRAGQSVTIVAQYRPEEYSRFESKI
 HDLREQMMNSSMSGSLRTSEKRSLYVRALFDYDRTRDCLPSQGLSFSYGDILHVINASDDEWQAR
 LVTPHGESEQIGVIPSKKRVEKKERARLKVTFHARTGMIESNRSIKTKRKSFRLSRKFPFYKSKENMA
 QENSIQEQVTSNTSDSESSKQEDAILSYEPVTRQEIHYARPVILGPMKDRVNDLISEFPHKFGSC
 VPHTTRPRRDNEVDGQDYHFVVSREQMEKDIQDNKFI EAGQFNDNL YGTSIQSVRAVAERGKHCILDVSG
 NAIKRLQQAQLYPIAIFIKPKSIEALMEMNRRQTYEQANKIFDKAMKLEQEFGEYFTAIVQGSLEEIYN
 KIKQIIEDQSGHYIWPVSPEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001177779

ORF Size: 1536 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

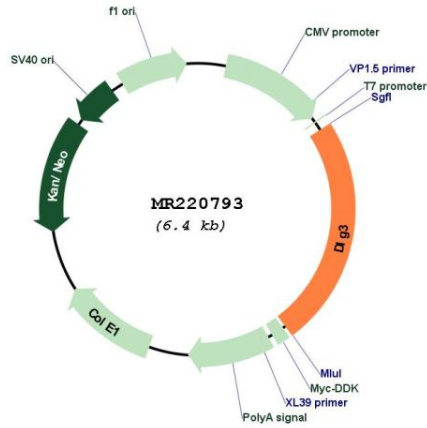
Locus ID: 53310

Cytogenetics: X C3

MW: 58.4 kDa

Gene Summary: Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220793