

Product datasheet for **MR220791**

Dlg3 (NM_001177778) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001177778) 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)



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ORF Nucleotide Sequence:

>MR220791 representing NM_001177778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACAAGCACCAGCACTGCTGTAAGTGCCCGAGTGCTATGAGGTGACCCGCCTGGCCGCCCTGCGGC
 GTCTTGAGCCTCCTGGCTACGGGACTGGCAGGTGCCGACCCCTATGGGCCAAGTGGGGCAATGGGGC
 TAGCTCCGGTTATGGAGCTACAGCTCGCAGACCTGCCTTACAGGCAGGGGCTACCCCAACCCCTCGC
 ACCAAGGCCAAGCTCATCCACAGGCCGAGATGTGGGCCAGTGCCCTAAGCCAGTCCCGGCAAGA
 GCACCCAAAACCAACGGCAGTGGCCCGGCTGGTGGCCGAGTGACCTGTACCAACCGGACTGGTA
 TGAGCAGGCCAGCCCTGCACCCCTCTAGTGAACCCGAGGCCCTGGAGCCAGCCTATCGGTGAATGGC
 AGTGATGGCATGTTCAAGTATGAGGAGATAGTACTGGAACGGGGCAACTCTGGCCTTGGCTTCAGTATCG
 CAGGTGGCATCGACAACCCCTCATGTCCCTGATGACCCTGGCATCTTTATTACCAAGATCATTCTGGTGG
 AGCAGCTGCCATGGATGGGAGGCTGGGGTGAATGACTGTGTGCTACGGGTGAATGAGGTGGACGTGCC
 GAGGTGGTGCACAGCCGGCCGTGGAGGCACTGAAGGAGGCAGGCCCTGTGGTCCGGTGGTGGTCCGGA
 GGCGACAGCCCCACCTGAGACTATCATGGAGGTCAACCTGCTCAAGGGCCAAAAGGCCTAGGTTTCAG
 CATTGCTGGGGCATTGGCAACCAGCACATCCCAGGAGACAACAGCATCTATACCAAGATCATTGAA
 GGAGGAGCTGCTCAGAAGGATGGACGCCTACAGATTGGGGACCGCTGCTTCCGGTGAACAATACCAATC
 TGCAGGATGTGAGGCATGAGGAAGCTGTGGCCTCACTCAAGAACACATCAGACATGGTCTATCTGAAGGT
 GGCCAAGCCAGGCAGCATCCACCTCAACGATATGTATGCTCCCTGACTATGCCAGCACTTCTACTGCC
 TTGGCTGACAATCACATAAGCCATAATCCAGCCTGGGTATCTTGGGGCAGTGGAGAGCAAGGTCACCT
 ACCCTGCTCCACTCAGGTGCCCTACTCGTTACTCTCCTATCCAGACACATGCTGGCTGAGGAAGA
 CTTTACCAGAGAGCCCCGCAAGATCATCTGCACAAAGGTTCTACAGCCCTGGGCTTCAACATTGTAGGA
 GGAGAAGATGGAGAAGGCATTTTGTTCCTTCATCCTGGCGGGAGGCCAGCAGACCTAAGTGGGGAGT
 TGCGAAGGGGAGACCGGATCTTATCGGTAATGGAGTCAACCTGAGGAATGCTACCCACGAGCAAGCAGC
 GGCTGCTCTGAAACGGGCTGGCCAGTCAGTCACCATTGTGGCCAGTATAGACCTGAAGAGTACAGTCGC
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 TCCGAACCAGTGAGAAGAGTCTTGTATGTCAGGGCCCTGTTTGATTATGATCGGACTCGTGACAGCTG
 TCTACCAAGCCAGGACTCAGTTTCTTATGGTGACATTCTGCACGTCTTAACGCCTCTGATGATGAG
 TGGTGGCAAGCAAGGCTGGTACTCCTCATGGAGAGAGTGAACAGATCGGTGTGATCCCTAGTAAAAGA
 GGGTGGAAAAGAAAGAGCGAGCTCGATTGAAAACCTGTGAAGTTCCATGCCAGGACAGGGATGATTGAGTC
 TAATCGGGACTTCCCTGGGTTAAGTGACGATTATTATGGAGCAAAGAACCTGAAAGGACAAGAGGATGCT
 ATTTTGTGATGAGCCAGTGACACGACAAGAAATTCATCTATGCCAGGCCTGTGATCATCTTGGGCCAA
 TGAAGGACCGAGTCAACGATGACCTCATCTGAGTCCCGCATAAAATTTGGATCCTGTGTGCCACATAC
 CACCCGGCCTCGGCGTGATAACGAGGTAGATGGACAGGATTACCACTTTGTGGTTTCCCGGAACAAATG
 GAGAAGGATATTCAGGACAACAAGTTTATTGAGGCGGGCCAGTTCAATGATAATCTCTATGGGACCAGCA
 TCCAGTCTGTGCGGGCAGTTGCAGAGAGGGGCAAGCACTGCATCTTAGATGTCTCCGGCAACGCCATAAA
 GAGACTGCAGCAAGCACAACCTTTATCCCATTTCCATTTTCAAGCCCAAGTCCATTGAAGCACTTATG
 GAAATGAACCGACGGCAGACATACGAACAAGCAAATAAGATCTTTGATAAAGCCATGAAACTGGAGCAAG
 AATTTGGAGAATACTTTACAGCCATTGTACAGGTTGACTCACTGGAAGAGATTTATAACAAAATCAAACA
 AATCATTGAGGACCAGTCTGGGCACTACATTTGGTCCCATCCCTGAAAAACT

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220791 representing NM_001177778
 Red=Cloning site Green=Tags(s)

MHKHQHCCKCPECEYVTRLAALRRLEPPGYGDWQVPDPYGPSSGGNGASSGYGGYSSQTLPSQAGATPTPR
 TKAKLIPTGRDVGVPVPPKPVPGKSTPKLNGSGPGWWPECTCTNRDWYEQASPAPLLVNPEALEPSLSVNG
 SDGMFKYEEIVLERGNSGLGFSAAGGIDNPHVPDDPGIFITKIIPGGAAAMDGRLGVNDCVLRVNEVDVS
 EVVHSRAVEALKEAGPVVRLVRRRQPPPETIMEVNLLKGPKGLGFSAAGGIGNQHIPGDNSIYITKIIIE
 GGAAQKDGRLQIGDRLLAVNNTNLQDVRHEEAVASLKNLSDMVYLVKAKPGSIHLNDMYAPPDYASTFTA
 LADNHISHNSSLYLGAVESKVTYPAPPQVPTRYSPIPRHMLAEEDFTREPRKIILHKGSTGLGFNIVG
 GEDGEGIFVSFILAGGPADLSEGLRRGDRILSVNGVNLRNATHEQAAAALKRAGQSVTIVAQYRPEEYSR
 FESKIHDLREQMMNSSMSSGSLRTSEKRSLYVRALFDYDRTRDSCLPQGLSFSYGDILHVINASDDE
 WWQARLVTPHGESEQIGVIPSKKRVEKKERARLKVVFHARTGMIESNRDFPGLSDDYYGAKNLKGQEDA
 ILSYEPVTRQEIHYARPVIILGPMKDRVNDLISEFPHKFGSCVPHTTRPRRDNEVDGQDYHFVVSREQM
 EKDIQDNKFI EAGQFNDNLYGTSIQSVRAVAERGKHCILDVSGNAIKRLQQAQLYPIAIFIKPKSIEALM
 EMNRRQTYEQANKIFDKAMKLEQEFGEYFTAIVQGSLEEIYNKIKQIIEDQSGHYIWWPSPEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

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_001177778.2](#), [NP_001171249.1](#)

RefSeq Size: 4958 bp

RefSeq ORF: 2508 bp

Locus ID: 53310

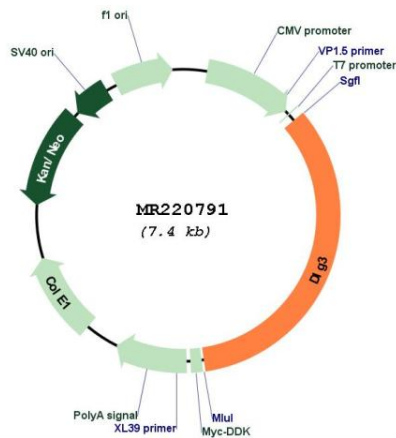
UniProt ID: [P70175](#)

Cytogenetics: X C3

MW: 92.6 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 MR220791