

Product datasheet for **MR231201**

Dlg3 (NM_001290402) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001290402) 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:

>MR231201 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACAAGCACCAGCACTGCTGTAAGTGCCTCCGAGTGCCTATGAGGTGACCCGCCTGGCCGCCCTGCGGC
 GTCTTGAGCCTCCTGGCTACGGGACTGGCAGGTGCCGACCCCTATGGGCCAAGTGGGGCAATGGGGC
 TAGCTCCGGTTATGGAGGCTACAGCTCGCAGACCCCTGCCTTACAGGCAGGGGCTACCCCAACCCCTCGC
 ACCAAGGCCAAGCTCATCCACAGGCCGAGATGTGGGGCAGTGCCCTTAAGCCAGTCCCGGCAAGA
 GCACCCAAAACCAACGGCAGTGGCCCGGCTGGTGGCCGAGTGCACCTGTACCAACCGGACTGGTA
 TGAGCAGGTGAATGGCAGTGTGGCATGTTCAAGTATGAGGAGATAGTACTGGAACGGGGCAACTCTGGC
 CTTGGCTTCAGTATCGCAGGTGGCATCGACAACCCCTCATGTCCCTGATGACCCTGGCATCTTTATTACCA
 AGATCATTCTGGTGGAGCAGCTGCCATGGATGGGAGGCTGGGGTGAATGACTGTGTGCTACGGGTGAA
 TGAGGTGGACGTGTCGAGGTGGTGCACAGCCGGCCGTGGAGGCACTGAAGGAGCAGGCCCTGTGGTG
 CGTTGGTGGTGGGAGGCGACAGCCCACTGAGACTATCATGGAGGTCAACCTGCTCAAAGGGCCAA
 AAGGCCTAGGTTTCAGCATTGCTGGGGGATTGGCAACCAGCACATCCCAGGAGACAACAGCATCTATAT
 CACCAAGATCATTGAAGGAGGAGCTGCTCAGAAGGATGGACGCCTACAGATTGGGGACCGGCTGCTTGGC
 GTGAACAATACCAATCTGCAGGATGTGAGGCATGAGGAAGCTGTGGCCTCACTCAAGAACACATCAGACA
 TGGTCTATCTGAAGTGGCCAAGCCAGGCAGCATCCACCTCAACGATATGTATGCTCCCCCTGACTATGC
 CAGCACTTTCAGTGCCTGGCTGACAATCACATAAGCCATAATCCAGCCTGGGTATCTTGGGGCAGTG
 GAGAGCAAGGTCACCTACCCTGCTCCACCTCAGGTGCCCTACTCGTTACTCTCTATTCCAGACACA
 TGCTGGCTGAGGAAGACTTTACCAGAGAGCCCGCAAGATCATCTGCACAAAGTTCTACAGGCCAGG
 CTTC AACATTGTAGGAGGAGAAGATGGAGAAGGCATTTTGTTCCTTCATCCTGGCGGGAGGCCAGCA
 GACCTAAGTGGGAGTTGCGAAGGGGAGACCGGATCTTATCGGTAATGGAGTCAACCTGAGGAATGCTA
 CCCACGAGCAAGCAGCGGCTGCTCTGAAACGGGCTGGCCAGTCACTCACCATTGTGGCCAGTATAGACC
 TGAAGAGTACAGTCGCTTGAATCCAAGATCCATGACTTGCAGGAAACAAATGATGAACAGCAGCATGAGT
 TCTGGGTCTGGTCTCTCCGAACAGTGAAGAGGCTCCTTGTATGTGAGGGCCCTGTTGATTATGATC
 GGACTCGTGACAGCTGTCTACCAAGCCAGGACTCAGTTTCTCTTATGGTGACATTCTGCACGTCATTAA
 CGCCTCTGATGATGAGTGGTGGCAAGCAAGGCTGGTACTCCTCATGGAGAGAGTGAACAGATCGGTGTG
 ATCCCTAGTAAAAGAGGTTGAAAAGAAAGAGCGAGCTCGATTGAAAACGTGAAGTTCATGCCAGGA
 CAGGGATGATTGAGTCTAATCGGACTTCCCTGGGTTAAGTGACGATTATTATGGAGCAAAGAACCTGAA
 AGGACAAGAGGATGCTATTTTGTATATGAGCCAGTGACACGACAAGAAATTCATATGCCAGGCCCTGTG
 ATCATCTTGGGCCAATGAAGGACCGAGTCAACGATGACCTCATCTGAGTTCCCGCATAAATTTGGAT
 CCTGTGTGCCACATACCACCCGGCTCGGCGTGATAACGAGGTAGATGGACAGGATTACCACTTTGTGGT
 TTCCCGGAACAAATGGAGAAGGATATTCAGGACAACAAGTTCATTGAGGCGGGCCAGTTCAATGATAAT
 CTCTATGGGACCAGCATCCAGTCTGTGCGGGCAGTTGCAGAGAGGGGCAAGCACTGCATCTTAGATGTCT
 CCGGCAACGCCATAAAGAGACTGCAGCAAGCACAACCTTATCCATTGCCATTTTCATCAAGCCCAAGTC
 CATTGAAGCACTTATGGAAATGAACCGACGGCAGACATACGAACAAGCAAATAAGATCTTTGATAAAGCC
 ATGAAACTGGAGCAAGAATTTGGAGAATACTTTACAGCCATTGTACAGGGTGACTCACTGGAAGGATTT
 ATAACAAAATCAAACAAATCATTGAGGACCAGTCTGGGCACTACATTTGGTCCCATCCCCTGAAAAC
 C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231201 protein sequence

Red=Cloning site Green=Tags(s)

MHKHQHCCKCEPEYVTRLAALRRLEPPGYGDWQVPDPYGPSSGGNGASSGYGGYSSQTLPSQAGATPTPR
TKAKLIPTGRDVGVPVPPKPVPGKSTPKLNGSGPGWWPECTCTNRDWYEQVNGSDGMFKYEEIVLERGNSG
LGFSIAGGIDNPHVDDPGIFITKIIPGGAAAMDGRLGVNDCVLRVNEVDVSEVVHRAVEALKEAGPVV
RLVRRRQPPPETIMEVNLLKGPGLGFSIAGGIGNQHIPGDNSIYITKIEGGAAQKDGRLQIGDRLLA
VNNTNLQDVRHEEAVASLKNTSDMVYLKVAKPGSIHLNDMYAPPDYASTFTALADNHI SHNSSLGYLGAV
ESKVTPAPPQVPTRYSPIPRHMLAEEDFTREPRKIILHKGSTGLGFNIVGGEDGEGIFVSFILAGGPA
DL SGELRRGDRILSVNGVNLRNATHEQAAAALKRAGQSVTIVAQYRPEEYSRFESKIHDLREQMMNSSMS
SGSGSLRTSEKRSLYVRALFDYDRTRDCLPSQGLSFSYGDILHVINASDDEWWQARLVTPHGESEQIGV
IPSKRVEKKERARLKTVKFHARTGMIESNRDFPGLSDDYYGAKNLKGQEDAILS YEPVTRQEIHYPV
IILGPMKDRVNDLISEFPHKFGSCVPHTTRPRRDNEVDGQDYHFVVSREQMEKDIQDNKFEAGQFNDN
LYGTSIQSVRAVAERGKHCILDVSGNAIKRLQQAQLYPIAIFIKPKSIEALMEMNRRQTYEQANKIFDKA
MKLEQEFGEYFTAIVQGSLEEIYNKIKQIIEDQSGHYIWWPSPEKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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_001290402.1](#), [NP_001277331.1](#)

RefSeq Size: 4905 bp

RefSeq ORF: 2454 bp

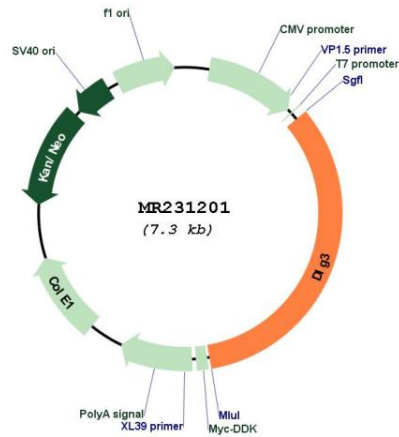
Locus ID: 53310

Cytogenetics: X C3

MW: 90.3 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 MR231201