

Product datasheet for **MR220790**

Dlg3 (NM_016747) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_016747) 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:

>MR220790 representing NM_016747
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACAAGCACCAGCACTGCTGTAAGTGCCCGAGTGCTATGAGGTGACCCGCCTGGCCGCCCTGCGGC
 GTCTTGAGCCTCCTGGCTACGGGACTGGCAGGTGCCGGACCCCTATGGGCCAAGTGGGGCAATGGGGC
 TAGCTCCGGTTATGGAGGCTACAGCTCGCAGACCCCTGCCTTACAGGCAGGGGCTACCCCAACCCCTCGC
 ACCAAGGCCAAGCTCATCCACAGGCCGAGATGTGGGGCAGTGCCCCCTAAGCCAGTCCCCGGCAAGA
 GCACCCCAAACTCAACGGCAGTGGCCCGGCTGGTGGCCGAGTGACCTGTACCAACCGGACTGGTA
 TGAGCAGGCCAGCCCTGCACCCCTCTAGTGAACCCGAGGCCCTGGAGCCAGCCTATCGGTGAATGGC
 AGTGATGGCATGTTCAAGTATGAGGAGATAGTACTGGAACGGGGCAACTCTGGCCTTGGCTTCAGTATCG
 CAGGTGGCATCGACAACCCTCATGTCCCTGATGACCCTGGCATCTTTATTACCAAGATCATTCTGGTGG
 AGCAGCTGCCATGGATGGGAGGCTGGGGTGAATGACTGTGTGCTACGGGTGAATGAGGTGGACGTGCC
 GAGGTGGTGCACAGCCGGCCGTGGAGGCACTGAAGGAGGCAGGCCCTGTGGTGGGTTGGTGGTGC
 GGCGACAGCCCCACCTGAGACTATCATGGAGGTCAACCTGCTCAAGGGCCAAAAGGCCTAGGTTTCAG
 CATTGCTGGGGCATTGGCAACCAGCACATCCCAGGAGACAACAGCATCTATACCAAGATCATTGAA
 GGAGGAGCTGCTCAGAAGGATGGACGCCTACAGATTGGGGACCGCTGCTTGGGTGAACAATACCAATC
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 TTGGCTGACAATCACATAAGCCATAATTCAGCCTGGGTATCTTGGGGCAGTGGAGAGCAAGGTCACCT
 ACCCTGCTCCACCTCAGGTGCCCTACTCTGTTACTCTCTCTATCCAGACACATGCTGGCTGAGGAAGA
 CTTTACCAGAGAGCCCCGCAAGATCATCCTGCACAAAGTTTCTACAGGCCCTGGGCTTCAACATTGTAGGA
 GGAGAAGATGGAGAAGGCATTTTTGTTTCTTCTCCTGGCGGGAGGCCAGCAGACCTAAGTGGGGAGT
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 GGCTGCTCTGAAACGGGCTGGCCAGTCAGTCACCATTGTGGCCAGTATAGACCTGAAGAGTACAGTCGC
 TTTGAATCCAAGATCCATGACTTGGGGAACAAATGATGAACAGCAGCATGAGTTCTGGGTCTGGTCTC
 TCCGAACCAGTGAGAAGAGTCTTGTATGTCAGGGCCCTGTTTGATTATGATCGGACTCGTGACAGCTG
 TCTACCAAGCCAGGACTCAGTTTCTTATGGTGACATTCTGCACGTCATTAACGCCTCTGATGATGAG
 TGGTGGCAAGCAAGGCTGGTACTCCTCATGGAGAGAGTGAACAGATCGGTGTGATCCCTAGTAAAAGA
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 ATTTGGGTCCCATCCCCTGAAAACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220790 representing NM_016747
 Red=Cloning site Green=Tags(s)

MHKHQHCCKCEPEYVTRLAALRRLEPPGYGDWQVPDPYGPSGGNGASSGYGGYSSQTLPSQAGATPTPR
 TKAKLIPTGRDVGPPPKVPVPGKSTPKLNGSGPWWPECTCTNRDWEQASAPLLVNPEALEPSLSVNG
 SDGMFKYEEIVLERGNSLGFSAAGIDNPHVPDDPGIFITKIIPGAAAMDGRLGVNDCVLRVNEVDVS
 EVVHSRAVEALKEAGPVVRLVRRRQPPPETIMEVNLLKGPKGLGFSAAGGIGNQHIPGDNSIYITKIE
 GGAAQKDGRLLQIGDRLLAVNNTNLQDVRHEEAVASLKNKSDMVYLKVAKPGSIHLNDMYAPPDYASTFTA
 LADNHISHNSSLGYLGAVESKVTPAPPQVPTRYSPIPRHMLAEEDFTREPRKIILHKGSTGLGFNIVG
 GEDGEGIFVSFILAGGPADLSEGLRRGDRILSVNGVNLRNATHEQAAAALKRAGQSVTIVAQYRPEEYSR
 FESKIIDLREQMNSMSSGSLRTSEKRSLYVRALFDYDRTRDSCLP SQGLSF SYGDI LHVINASDDE
 WWQARLVTPHGESEQIGVIPS KKRVEKKERARLKT VKFHARTGMIESNRDFPGLSDDYYGAKNLKGVTSN
 TSDSESSKQEDAILS YEPVTRQEIHYARV IILGPMKDRVNDL ISEFP HKFGSCVPHTTRPRDNEV
 DGQDYHFVVSREQMEKDIQDNK IEAGQFNDNL YGTSIQSVRAVAERGKHCILDVSGNAIKRLQQAQLYP
 IAIFIKPKSIEALMEMNRRQTYEQANKIFDKAMKLEQEFGEYFTAIVQGDSLEEIYNKIKQIIEDQSGHY
 IWVPSPEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

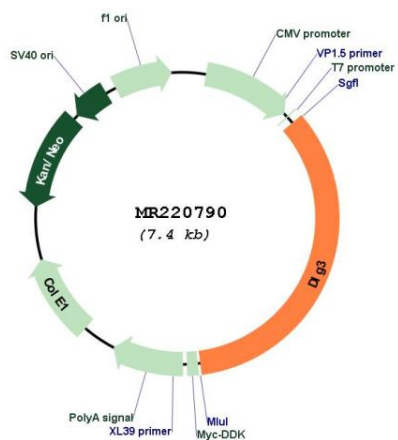
SgfI-MluI

Cloning Scheme:



ACCN:	NM_016747
ORF Size:	2547 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:	<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:	NM_016747.4 , NP_058027.1
RefSeq Size:	4996 bp
RefSeq ORF:	2550 bp
Locus ID:	53310
UniProt ID:	P70175
Cytogenetics:	X C3
MW:	93.9 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 MR220790