

## Product datasheet for **MG220791**

### **Dlg3 (NM\_001177778) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001177778) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dlg3
Synonyms:	Dlgh3; mKIAA1232; SAP102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide  
Sequence:**

>MG220791 representing NM\_001177778  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACAAGCACCAGCACTGCTGTAAGTGCCCGAGTGCTATGAGGTGACCCGCCTGGCCGCCCTGCGGC  
 GTCTTGAGCCTCCTGGCTACGGGGACTGGCAGGTGCCGGACCCCTATGGGCCAAGTGGGGCAATGGGGC  
 TAGCTCCGGTTATGGAGGCTACAGCTCGCAGACCTGCCTTCACAGGCAGGGGCTACCCCAACCCCTCGC  
 ACCAAGGCCAAGCTCATCCCAACAGGCCGAGATGTGGGGCAGTGCCCCCTAAGCCAGTCCCGGCAAGA  
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 TGAGCAGGCCAGCCCTGCACCCCTCCTAGTGAACCCGAGGCCCTGGAGCCAGCCTATCGGTGAATGGC  
 AGTGATGGCATGTTCAAGTATGAGGAGATAGTACTGGAACGGGGCAACTCTGGCCTTGGCTTCAGTATCG  
 CAGGTGGCATCGACAACCCCTCATGTCCCTGATGACCCTGGCATCTTTATTACCAAGATCATTCTGGTGG  
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 GGCTGCTCTGAAACGGGCTGGCCAGTCAGTCACCATTTGGGCCAGTATAGACCTGAAGAGTACAGTCGC  
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 AATTTGGAGAATACTTTACAGCCATTGTACAGGGTGACTCACTGGAAGAGATTTATAACAAAATCAAACA  
 AATCATTGAGGACCAGTCTGGGCACTACATTTGGGTCCCATCCCCTGAAAACTC

**ACGGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG220791 representing NM\_001177778  
 Red=Cloning site Green=Tags(s)

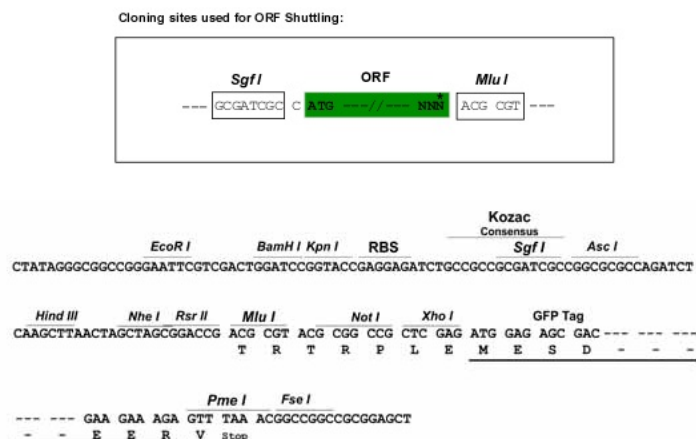
MHKHQHCKCPECYEVTRLAALRRLEPPGYGDWQVDPYGPSSGNGASSGYGGYSSQTLPSQAGATPTPR  
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 ILSYEPVTRQEIHYARPVIILGPMKDRVNDLISEFPHKFGSCVPHTTRPRRDNEVDGQDYHFVVSREQM  
 EKDIQDNKFIAGQFNDNLGYTSIQSVRAVAERGKHCILDVSGNAIKRLQQAQLYPIAIFIKPKSIEALM  
 EMNRRQTYEQANKIFDKAMKLEQEFGEYFTAIVQGSLEEIYNKIKQIIEDQSGHYIWPVSPEKL

TRTRPLE – GFP Tag – V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1385\\_a05.zip](https://cdn.origene.com/chromatograms/ja1385_a05.zip)

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



ACCN: NM\_001177778

ORF Size: 2505 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\\_001177778.2](#), [NP\\_001171249.1](#)

**RefSeq Size:** 4958 bp

**RefSeq ORF:** 2508 bp

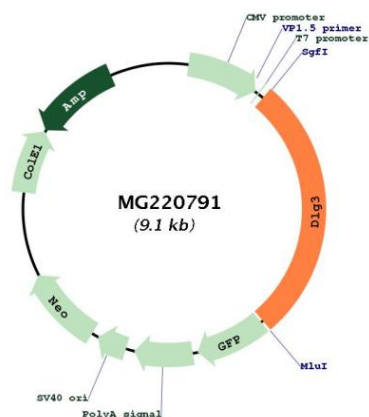
**Locus ID:** 53310

**UniProt ID:** [P70175](#)

**Cytogenetics:** X C3

**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 MG220791