

## Product datasheet for MC209925

### Dlg3 (NM\_001177780) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_001177780) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlg3
Synonyms:	Dlgh3; mKIAA1232; SAP102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209925 representing NM_001177780 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGATGAACAGCAGCATGAGTTCTGGGTCTGGGTCTCTCCGAACCAAGTGAAGAAGAGTCTTGTATGTCA  
 GGGCCCTGTTTGATTATGATCGGACTCGTGACAGCTGTCTACCAAGCCAGGGACTCAGTTTCTCTTATGG  
 TGACATTCTGCACGTCAATTAACGCCTCTGATGATGAGTGGTGGCAAGCAAGGCTGGTGAATCCTCATGGA  
 GAGAGTGAACAGATCGGTGTGATCCCTAGTAAAAAGAGGGTGGAAAAGAAAGAGCGAGCTCGATTGAAAA  
 CTGTGAAGTTCCATGCCAGGACAGGGATGATTGAGTCTAATCGGTGATCAAAACGAAACGTAAAAAGAG  
 TTTTCGCCTCTCTCGAAAGTTTCCATTTTACAAGAGCAAAAGAAAACATGGCCAGGAGAACAGCATACAG  
 GAACAGGGAGTGACATCCAACACCAAGTGAACGCAAGAGCAGTTTCCAAAGGACAAGAGGATGCTATTTTGT  
 CATATGAGCCAGTGACACGACAAGAAATCACTATGCCAGGCCTGTGATCATCTTGGGCCCAATGAAGGA  
 CCGAGTCAACGATGACCTCATCTCTGAGTTCCCGCATAAATTTGGATCCTGTGTGCCACATACCAACCCGG  
 CCTCGCGTGATAACGAGGTAGATGGACAGGATTACCACTTTGTGGTTTCCCGGGAACAAATGGAGAAGG  
 ATATTCAGGACAACAAGTTCATTGAGGCGGGCCAGTTCATGATAATCTCTATGGGACCAGCATCCAGTC  
 TGTGCGGGCAGTTGCAGAGAGGGCAAGCACTGCATCTTAGATGTCTCCGGCAACGCCATAAAGAGACTG  
 CAGCAAGCACAACCTTTATCCCATTTGCCATTTTCATCAAGCCCAAGTCCATTGAAGCACTTATGAAATGA  
 ACCGACGGCAGACATACGAACAAGCAAAATAAGATCTTTGATAAAGCCATGAAACTGGAGCAAGAATTTGG  
 AGAATACTTTACAGCCATTGTACAGGGTGAATCACTGGAAGAGATTTATAACAAAATCAAACAAATCATT  
 GAGGACCAGTCTGGGCACTACATTTGGGTCCCATCCCCTGAAAAACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001177780
<b>Insert Size:</b>	1101 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001177780.1, NP_001171251.1</u>
<b>RefSeq Size:</b>	3348 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	53310
<b>Cytogenetics:</b>	X C3
<b>Gene Summary:</b>	<p>Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, contains multiple differences in the coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (4) is shorter than isoform 1.</p>