

## Product datasheet for **RN209280**

### **Dlg3 (NM\_031639) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dlg3 (NM_031639) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dlg3
Synonyms:	Dlgh3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN209280 representing NM\_031639  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACAAGCACCAGACTGCTGTAAGTGCCCGAGTGCTATGAGGTGACCCGCCTGGCCGCCCTGCGGC  
 GCCTCGAGCCTCCTGGCTATGGGGACTGGCAGGTGCCGGACCCCTATGGGCCAAGTGGGGCAATGGGGC  
 CAGCTCCGGTTATGGAGGCTACAGCTCGCAGACCCCTGCCTTCACAGGCAGGGGCTACCCCAACCCCTCGC  
 ACCAAGGCCAAGCTCATCCACAGGCCGAGATGTGGGGCAGTGCCCTTAAGCCAGTACCCGGCAAGA  
 ACACCCAAAACCAACGGCAGTGGCCCGAGTGGTGGCCGAGTGACCTGTACCAATCGGGACTGGTA  
 TGAGCAGGCCAGCCCTGCACCCCTCCTAGTGAACCCGAGGCTCTGGAGCCAGCCTATCGGTGAATGGC  
 AGTGATGGCATGTTCAAGTATGAGGAGATAGTCTGGAGCGGGGCAACTCTGGCCTGGGCTTCAGTATCG  
 CAGGTGGCATCGACAACCCTCATGTCCCTGATGACCCTGGCATCTTTATTACCAAGATCATTCTGGTGG  
 AGCAGCTGCCATGGATGGGAGGCTGGGGGTGAATGACTGTGTGCTACGGGTGAATGAGGTGGACGTGCC  
 GAGGTGGTGCACAGCCGGCCGTGGAGGCACTGAAGGAGGCAGGCCCTGTGGTGGGTTGGTGGTCCGGA  
 GGCGACAGCCCCACCTGAGACTATCATGGAGGTCAACCTGCTCAAGGGCCAAAAGGCCTGGGTTTCAG  
 CATTGCTGGGGGCAATTGGTAACCAAGCACATCCCAGGAGACAACAGCATCTATACCAAGATCATTGAA  
 GGAGGAGCTGCTCAGAAAGATGGACGCCTACAGATTGGGGACCGCTTCTTGGGTGAACAACCAATC  
 TGCAGGATGTGAGGCATGAGGAAGCTGTGGCCTCACTCAAGAACACATCAGACATGGTCTATCTGAAGGT  
 GGCCAAGCCAGGCAGTCTCCACCTCAACGACATGTATGCTCCCCCGACTATGCCAGCACTTCTACTGCC  
 TTGGCTGACAATCATATAAGCCATAATCCAGCCTGGGTATCTTGGGGCAGTGGAGACAAGGTCACT  
 ACCCTGCTCCTCCTCAGGTGCCCTACTCGTTACTCTCCATTCCAGACACATGCTGGCTGAGGAGA  
 CTTTACCAGAGAGCCCCGCAAGATCATCTGCACAAAGGTTCTACAGGCCCTGGGCTTCAACATTGTAGGA  
 GGAGAGGATGGAGAGGGCATTGTTGTTTATTCTCCTGGCAGGAGGCCAGCAGACCTAAGTGGGGAGT  
 TGCGAAGGGGAGACCGGATCTTATCGGTAATGGAGTCAACCTGAGGAATGCTACCCATGAGCAGGCAGC  
 GGCTGCTCTAAAACGGGCTGGCCAATCAGTCACCATTGTGGCCAGTATAGACCTGAAGAGTACAGTCGC  
 TTTGAATCCAAGATCCATGACTTGCAGAAACAAATGATGAACAGCAGCATGAGCTCGGGTCCGGGTCTC  
 TCCGAACCAGTGAGAAGAGTCTTGTATGTCAGGGCCCTGTTTGATTATGATCGGACTCGTGACAGCTG  
 CCTACCAAGCCAGGACTCAGTTTCTTATGGTGACATTCTACACGTCATTAACGCCTCTGATGATGAG  
 TGGTGGCAAGCAAGGCTGGTACTCCACATGGAGAGAGTGAACAGATTGGTGTGATCCCTAGTAAAAGA  
 GGGTTGAAAAGAAAGAGCGAGCTCGATTGAAAACGTGAAATTCATGCCAGGACAGGGATGATTGAGTC  
 TAATCGGGACTTCCCTGGGTTAAGTGACGATTATTATGGAGCAAGAACCTGAAGGGAGTGACATCCAAC  
 ACCAGTGACAGCGAAAGCAGTTCCAAAGGACAAGAGGATGCTATTTTGTGATATGAGCCAGTGACACGAC  
 AAGAAATTCATTATGCCAGGCCTGTGATCATCTTGGGCCCAATGAAGGACCGAGTCAATGATGACCTCAT  
 CTCTGAGTTCCTGCATAAGTTTGGATCCTGCGTGCCACATACCACCCGACCTCGGCGTGATAACGAGGTA  
 GATGGACAGGATTACCACTTTGTGGTTTCCCGGAACAGATGGAGAAGGATATTCAGGACAACAAGTTCA  
 TCGAGGCAGGCCAGTTCAATGATAATCTCTACGGGACCAGCATCCAGTCTGTGCGGGCGGTTGCAGAGAG  
 GGGCAAGCACTGCATCTTAGACGTGTCGGCAACGCTATAAAGAGACTGCAGCAAGCAACTTTATCCC  
 ATTGCCATTTTCATCAAGCCCAAGTCCATCGAAGCACTTATGAAATGAACCGACGGCAGACATACGAAC  
 AAGCAAATAAGATCTTTGACAAAGCCATGAAACTGGAGCAAGAATTTGGAGAATACTTTACAGCCATTGT  
 ACAGGGTGACTCACTGGAAGAGATTTATAACAAAATCAAACAAATCATTGAGGACCAGTCTGGGCACTAC  
 ATTTGGTCCCCTGCCCTGAAAACTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031639  
**Insert Size:** 2550 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>	<a href="#">NM_031639.1</a> , <a href="#">NP_113827.1</a>
<b>RefSeq Size:</b>	3736 bp
<b>RefSeq ORF:</b>	2550 bp
<b>Locus ID:</b>	58948
<b>UniProt ID:</b>	<a href="#">Q62936</a>
<b>Cytogenetics:</b>	Xq22
<b>Gene Summary:</b>	human homolog is a protein with guanylate kinase activity; involved in synaptogenesis and cell proliferation [RGD, Feb 2006]