

Product datasheet for **RN211485**

Dlg2 (NM_022282) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg2 (NM_022282) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dlg2
Synonyms:	Dlgh2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211485 representing NM_022282
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTTTGCATGTTATTGTGCACTCCGGACTAACGTGAAGAAGTATCGATACCAAGATGAGGACGGTC
 CACATGATCATTCTTACCTCGGCTAACTCATGAAGTAAGAGGTCCAGAACTGGTGCATGTGTCGGAAAA
 GAACCTCTCTCAATAGAAAATGTCACCGATATGTCTTACAGTCTCACATTTCTCTCTGAAGGCTAGC
 CCTGCTCTATAATTGTCAACACAGACTTTGGACTATTCTTATGTCAATGGAACAGAAAATTGAAT
 ATGAATTTGAAGAAATTACATTGGAGAGGGGAAATTCAGGTCTGGGATTCAGTATTGCTGGAGGGACAGA
 TAATCCTCACATTGGAGATGACCCTGGCATATTTATTACGAAGATTATCCAGGAGGTGCTGCAGCAGAG
 GATGGCAGACTCAGGGTCAACGATTGTATCTTGGGGTGAATGAAGTTGATGTGTCGGAGGTTTCCACA
 GTAAGCAGTGGAGGCCCTCAAGGAAGCAGGCTCTATTGTTGACTGTATGTACGTAGAAGACGACCCAT
 CCTGGAGACTGTTGTGGAATCAAACCTTTCAAAGGGCCAAAAGTTTAGGCTTCAGTATTGCTGGAGGG
 GTGGGGAACAGCACATTCCTGGAGACAACAGCATTTATGTAACGAAAATTATAGATGGTGGAGCTGCAC
 AGAAAGATGGGAGGTTGCAAGTAGGAGACAGACTGCTAATGGTAAATAACTATAGTTTAGAAGAAGTTAC
 ACATGAAGAGGCTGTAGCGATATTGAAAAATACATCTGATGTTGTTTATCTAAAAGTTGGCAAACCCACA
 ACCATTTATGACTGATCCTTATGGGCCACCGGATATTACTCACTCTTATTCTCCACCAATGAAAAATC
 ATCTACTGTCTGGTAACAATGGCAGGTTAGAATACAAAACATCCCTGCCGCCATCTCTCCAGGAAGGTA
 CTCACCAATCCAAAGCACATGCTGGTTGAAGTAGACTACACAAGGCCTCCGGAACCTGTTTACAGCACT
 GTGAATAAAGTGTGTGATAAACCTGCTTCTCCAGGCACTATCCCTGTTGAGTGTGACAAAAGCTTCC
 TTCTCTCAACTCCTTACCCCACTACCACCTAGGCCTGCTCCCTGACTGACATGACCAAGTCACTTCA
 GCACAGTACTGCAACTCGTCAGCCCTCAGTGACTCTCAAACGGGCCATCTCCCTGGAAGGGGAGCCCGA
 AAGGTGGTCTTCAAAAAGGCTCCACTGGCCTGGGCTTCAACATTGTGGGTGGAGAAGACGGAGAAGGTA
 TTTTTGTATCCTTCATTCTGGCCGTGGACCAGCAGACCTGAGTGGGAGCTCCAGAGAGGAGACCAGAT
 TTTATCGGTGAATGGTATCGATCTCCGAGGAGCATCTCATGAACAGGCAGCTGCAGCACTGAAGGGGGC
 GGGCAGACAGTGACAATCATAGCACAATATCAACCTGAAGATTACGCTCGATTGAGGCCAAAATCCATG
 ACCTACGAGAGCAGATGATGAACCACAGCATGAGTTCGGGTCCGGTCCCTCGAACCAATCAGAAAACG
 CTCCCTGTATGTCAGAGCCATGTTTGACTATGACAAGAGCAAGGACAGTGGACTGCCTAGCCAAGGACTT
 AGTTTTAAATATGGAGACATCCTTCATGTCATCAATGCCTCTGATGATGAGTGGTGGCAAGCCAGAAGGG
 TCATACTAGATGGGACAGCGAGGAGATGGGAGTCATCCAGCAACCGAGGGTGGAAAGAAAGGAGCG
 TGCCCGATTGAAGACAGTGAAGTTCAATGCAAAAACCTGGTGTGATTGATTCAAAAGGGGACATCCCGGA
 TTAGGTGACGACGGTTATGGAACAAAGACTCTGAGAGGACAAGAAGATCTCATTCTTTCCTATGAACCTG
 TCACGAGGCAGGAAATAAATACACCCGACCAAGTATTCTGGGCCCATGAAGGATCGAATCAATGA
 TGACTTGATATCTGAATTTCTGATAAATTTGGCTCCTGTGTGCCTCATACTACGAGGCCAAAGCGTGAC
 TACGAAGTCGACGGCAGAGACTACACTTTGTCAATTTCTAGAGAACAATGGAGAAGATATCCAAGAGC
 ACAAAATTAATAGAAGCCGGCCAGTACAATGACAATTTATGGAACCAAGTGTGCACTGTGAGATTTGT
 AGCAGTAAGGGGCAAACTGTACTTGTATGATGATCAGGAAATGCTATTAAGCGTTACAAGTTGCCAG
 CTCTATCCATTGCTATCTTATAAAGCCAAGTCTCTGGAACCTCTGATGGAGATGAATAAGCGTCTAA
 CGGAGGAACAAGCCAAGAAAACCTATGACCGGGCAATTAAGCTAGAACAAGAATTTGGAGAATATTTTAC
 AGCTATTGTCCAAGGAGATACCTTAGAAGATATTTACAACCAATGCAAGCTTGTTATTGAAGAGCAGTCT
 GGACCTTTCATCTGGATTCCTCAAAGGAGAAGTTAA**A**

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022282
Insert Size: 2559 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_022282.1 , NP_071618.1
RefSeq Size:	3002 bp
RefSeq ORF:	2559 bp
Locus ID:	64053
UniProt ID:	Q63622
Cytogenetics:	1q32
Gene Summary:	membrane associated guanylate kinase localized at postsynaptic density (PSD); may function to maintain the structure of PSD by concentrating its components to the membrane area [RGD, Feb 2006]