

Product datasheet for **RN217298**

Dlgap3 (NM_001301876) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap3 (NM_001301876) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dlgap3
Synonyms:	DAP-3; Dap3; SAPAP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217298 representing NM_001301876
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACCCGGCCAGGGCCCTTCGACACCTGTGAAGACTGTGTGGGCCACCCACAGGGCAAGGGTGCCA
 CCCGCCTGCCTCCACACTCCTGGATCAGTTTGAAAAGCAGTTGCCAGTTCAACAAGATGGCTTCCACAC
 ACTCCCATACCAGCGAGGTCCAGCAGGGCCTGGTCTGGACCTGGATCTGGCGCTGCCCTGAGGCTCGC
 AGCGAGAGTCTAGCCGCATCCGGCACCTGGTTCACTCTGTGCAGAAGCTCTTTGCCAAGTCCCCTCTC
 TGGAGGCACCTGGGAAGCGAGACTATAATGGGCCTAAGGCCGAGGGAAGAAGTAGCTCTGGGGGAGACAG
 CTACTCTGGTCCAGGCTCAGGAGGCCCCACCTCCCACCACCACCATCACCACCACCACCATCACCAC
 CACCAGTCCCGCATGGCAAACGGAGCAAGAGCAAGGACCACAAGGGGATGGCGACACCAGACCAAGG
 CCACAGGCTGGTGGAGCTCTGATGACAATTTGGACAGTGACAGTGGCTTCTGGGTGGGAGGCCCTGG
 AGAGCCCGGAGGTCCCTTCTGCCTGGATGCTCCAGATGGGTCTACCGGGACTTGAGCTCAAGGGCGCT
 TCGGGCGGGTCAAGGGCCGCTGCCTTGCCTGCACTGGCATGTCCATGTCCCTGGATGGACAGTCAGTCA
 AGCGAAGTGCCTGGCATACCATGATGGTCAAGCCAGGGCCGGGATGGATACCCAGGGCCGGGCCAGGCAA
 GGGGCTCCTGGGTCCAGAGACCAAGGCCAAGCCAGGACTTATCACTATTTGCAGGTGCCCAAGATGAC
 TGGGGGGTTACCCACGGGTGGCAAGGATGGGGAGATCCCTGCCGAGGATGCGGAGCGGCAGCTACA
 TCAAAGCCATGGGGGACGAGGAGCGGAGACTCAGATGGTAGCCCAAGACGTCTCCAAAGCACTTGC
 CCGACGCTTTGCCTCCCGCCTTCTCCAGCGTGGACACGCCAGGATCAACTGCTGTGTCCACCCCGG
 ATCCATCCCGGAGTTCATCCCTGGCTACAGCCGTTCCCTTACAAGTGGACAGTAAGCGAAGAGTTTA
 ACCAGCAGTGGAGCCGTTGCGGGTCCGTTTGGGAGCTTGAGTCCAGGCCGCTGGGATGGGATGGGATGGA
 CCTGCCCCGGCTGTTCCGCATGCGGAGCCACAGCTACCTCCGGGCATCCAGGCCGCTGCTCTCAAGAC
 GACGACTGCCTACCCCTCCTTGTGCCCCCTGCCTCTGTCTCAGGGAGGCCCGGCTCCTCCTTCAACTTCA
 GAAAGGCCCGCCCTATCCCGCCGGGAAGCCAGGCCCCACCCCGCATCTCCATCACCGCCAGAGCAG
 CACCGACTCTGCCACGAGAGCTTCACTGCAGCAGAGGGCCCGCCCGGCGCTGCAGCTCCGCGGACGGA
 CTGGACGGCCCCACCATGGGCGCACGCACCCTCGAGTTGGCACCGGTGCCACCCCGGGCCAGCCCCAAGC
 CCCCCACACTCATCAAGACCATTCTGGCCGGGAGGAGCTGCGGAGCCTGGCGGACAGCGGAAGT
 GCGGCCGTCATTGGGGTGCAGGTGGAGACAATCTCAGACTCGGACACCGAGAACAGGAGCCGAAGAGAG
 TTCACCTCCATTGGCGTTCAGGTGGAAGAGGACAAGAGGCCGGCGAGGTTCAAGCGCTCCAACAGTGTGA
 CAGCCGGTGTGCAGGCAGACCTGGAAGTGGAGGCCCTGGCTGGCCTGGCCACTGTGGCCACAGAAGACAA
 AGCCCTGCAGTTCGGACGCTCCTTCCAGAGGCACGCCTCTGAGCCCCAGCCCGGACCCCGGGCCCCACC
 TACTCAGTCTTCCGCACGGTCCACACGCAGGGCCAGTGGGCTACCGCGAGGGTACCCACTGCCGTATG
 AGCCGCGGCCACCGATGGGTGCGCTGGCCCTCCCCCTGTCCCGCCCCGGCCCCGGTCCGGCCGCCG
 TGATTCTGGATGGAGCGGGGTTGCGGTAGCCTCCCCGACTCAGGCCGCACGTCCCCCTGCCACGGGAT
 GGCGAGTGGTTCATCAAGATGCTGCGGGCAGAGGTGGAGAACTGGAACACTGGTGCCAGCAGATGGAGC
 GGGAGGCGGAGGACTATGAGCTGCCGGAGGAGATCTTAGAGAAGATTCGAAGCGCCGTGGCAGCACACA
 ACTTCTCCTGTCTCAGAAGTCCAGCAGTCTTTCAGGCTGTGTCAGCAAAGCTTGACCCCACTGCGTTT
 CCTGTGCCACCTTCCAGGACCTGGCCGTTTCTGGGACCTCTGCAGCTCTCCATTGAGGATGTGACCC
 TCAAGTTCCTGGAGCTACAACAACCTCAAGGCCAACAGCTGGAACCTCTGGAGCCTAAGGAGGAGAAGAA
 GGTCCCTCCGCCGATACCAAAGAAGCCCTCGCGGGGCGGGGCGTCCCGGTGAAGGAGCGCTCCCTGGAC
 TCGGTGGACCGGCAGCGGAGGAAGCGCAAGCGGCTCCTGGCGGCAAGCGCGCCGCTGTTCCGCC
 ACAGTTCGGCTACTGAGAGCGGGACAGCATCGAGATCTACATCCCGAGGCCAGACCAGGCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301876

Insert Size:	2658 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001301876.1</u> , <u>NP_001288805.1</u>
RefSeq Size:	3873 bp
RefSeq ORF:	2658 bp
Locus ID:	286923
Cytogenetics:	5q36
Gene Summary:	<p>binds neuronal cell guanylate kinase PSD-95/SAP90; may play a role in post synaptic density structure and synaptic function [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) represents the longer transcript which can encode two isoforms based on alternate in-frame translation starts (PMID: 227619920). The shorter isoform (3, also known as beta) represented in this RefSeq is translated from the downstream AUG start codon. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>