

Product datasheet for **RN217375**

Dlgap3 (NM_001276304) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap3 (NM_001276304) 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: >RN217375 representing NM_001276304
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGGTTACCATGGCGACCGAGGCAGCCATCCCCGCCAGCCCGCTTGTGCTACCAACAGCATATGG
 ACGTGGGCCAGCTGCCAGGGCCCCGTACCTGCTGGGCTCCAGGGAGGCCTTCTCCACCGAGCCCCGCTT
 CTGTGCCCCGAGAGCTGGCCTGGGACACCTTTCTCCAGAAGGGCCCTGAGCCTGAGTGAGGGTCCATCA
 TCTGTAGGCCCCGAGGGAGGCCAGGGGGGTGGGGGCTGGGGGAGGCAGCAGTACCTTCCCAGGATGT
 ACCCGGGCCAGGGCCCCCTTGACACCTGTGAAGACTGTGTGGGCCACCCACAGGGCAAGGGTGCCACCCG
 CCTGCCTCCACACTCCTGGATCAGTTTAAAAGCAGTTGCCAGTTCAACAAGATGGCTTCCACACTC
 CCATACCAGCGAGGTCCAGCAGGGCCTGGTCTGGACCTGGATCTGGCGTGCCTGAGGCTCGCAGCG
 AGAGTCTAGCCGCATCCGGCACCTGGTCACTCTGTGCAGAAGCTCTTGGCAAGTCCCCTCTCTGGA
 GGCACCTGGGAAGCGAGACTATAATGGGCCTAAGGCCGAGGAAGAAGTACTCTGGGGGAGACAGCTAC
 TCTGGTCCAGGCTCAGGAGGCCCCCCACCTCCCACCACCACCATCACCACCACCACCATCACCACCACC
 AGTCCCGCATGGCAAACGGAGCAAGAGCAAGGACCGCAAGGGGGATGGGCGACACCAGACCAAGGCCAC
 AGGCTGGTGGAGCTCTGATGACAATTTGGACAGTGACAGTGGCTTCTGGGTGGGAGGCCCCCTGGAGAG
 CCCGGAGGTCCCTTCTGCCTGGATGCTCCAGATGGGTCTACCGGACTTGAGCTTCAAGGGGCGTTTCGG
 GCGGGTCAAGAGCCGCTGCCTTGCCTGCACTGGCATGTCCATGTCCCTGGATGGACAGTCAAGCGG
 AAGTGCCTGGCATAACCATGATGGTCAGCCAGGGCCGGGATGGATACCCAGGGGCCGGCCAGGCAAGGGG
 CTCTGGGTCCAGAGACCAAGGCCAAAGCCAGGACTTATCACTATTTGCAGGTGCCGAAGATGACTGGG
 GGGTTACCCACGGGTGGCAAGGATGGGAGATCCCCTGCCGAGGATGCGGAGCGGCAAGTACATCAA
 AGCCATGGGGGACGAGGAGAGCGGAGACTCAGATGGTAGCCCCAAGACGTCTCCCAAAGCACTTGGCCGA
 CGCTTTGCCTCCCGCGTTCCTCCAGCGTGGACACAGCCAGGATCAACTGCTGTGTCCACCCCGGATCC
 ATCCCCGAGTTCATCCCTGGTACAGCCGTTCCCTTACAAGTGGACAGCTAAGCGAAGAGTTTAAACCA
 GCAGCTGGAGGCCGTGTGCGGGTCCGTGTTGGGGAGCTTGAGTCCAGGCCGTGGACGCCCTGGACCTG
 CCCGGTGTTCGCGATGCGGAGCCACAGCTACCTCCGGGCCATCCAGGCCGGTCTCTCAAGACGACG
 ACTGCCTACCCCTCCTTGTGCCCTGCCTGTCTCAGGGAGGCCCGGCTCCTCCTTCACTTCAAGAAA
 GGCCCCGCCCTATCCCGCCGGGAAGCCAGGCCACCCCGCATCTCCATCACCGCCAGAGCAGCACC
 GACTCTGCCACGAGAGCTTCACTGCAGCAGAGGGCCCGCCCGCGCTGCAGCTCCGGCAGGACTGG
 ACGGCCCCACCATGGGGCGACGCACCCTCGAGTTGGCACCAGTGGCACCCCGGGCCAGCCCAAGCCCCC
 CACACTCATCAAGACCATTCTGGCCGGGAGGAGCTGCGGAGCCTGGCGCGACAGCGGAAGTGGCGG
 CCGTCCATTGGGGTGCAGGTGGAGACAATCTCAGACTCGGACACCAGAAACAGGAGCCGAAGAGATTCC
 ACTCCATTGGCGTTCAGGTGGAAGAGGACAAGAGCGGGCGAGGTTCAAGCGCTCCAACAGTGTGACAGC
 CGGTGTGCAGGCAGACCTGGAAGTGGAGGGCCTGGCTGGCCTGGCCACTGTGGCCACAGAAGACAAGCC
 CTGCAGTTCGGACGCTCCTTCCAGAGGCACGCCTTGAGCCCCAGCCCGGACCCCGGGCCCCACCTACT
 CAGTCTTCCGACGGTCCACACGCAGGGCCAGTGGGCTACCCGAGGGGCTACCCACTGCCGTATGAGCC
 GCCGGCCACCGATGGGTGCCTGGCCCTCCCCGTCCCCGCCCGCCCGGGTCCGGCCCGCGTGTGAT
 TCCTGGATGGAGCGGGGTTTCGCTAGCCTCCCCGACTCAGGCCGACGTCCCCCTGCCACGGGATGGCG
 AGTGGTTCATCAAGATGCTGCGGGCAGAGGTGGAGAACTGGAACACTGGTGCCAGCAGATGGAGCGGGA
 GGCGGAGGACTATGAGCTGCCGGAGGAGATCTTAGAGAAGATTGAAGCGCCGTGGGCGAGCACAACTT
 CTCCTGTCTCAGAAGGTCCAGCAGTTCTTCCAGGCTGTGTGAGCAAGCTTGGACCTGGCCGGTTTCTGGG
 ACCTCCTGCAGCTCTCCATTGAGGATGTGACCCTCAAGTCTCTGGAGCTACAACAACCAAGGCCAACAG
 CTGAAACTCCTGGAGCCTAAGGAGGAGAAGAAGTCCCTCCGCCGATACCAAGAAGCCCTCGCGGGGG
 CGGGCGTCCGGTGAAGGAGCGCTCCCTGGACTCGGTGGACCGGCAGCGCAGGAAGCGCGCAAGCGGC
 TCCTGGCGGCAAGCGCGCCGCTCGTTCGCCACAGTTCGGCTACTGAGAGCGCGGACAGCATCGAGAT
 CTACATCCCCGAGGCCAGACCAGGCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001276304
Insert Size:	2901 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_001276304.1</u> , <u>NP_001263233.1</u>
RefSeq Size:	3688 bp
RefSeq ORF:	2901 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 (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The resulting isoform (2) is shorter compared to isoform 1. The 5' UTR and 5' coding region for variant 2 are identical to those of variant 1 so the synthesis of two isoforms based on alternate in-frame translation starts discussed in PMID: 227619920 for variant 1 may also occur. 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>