

Product datasheet for **RN208456**

Dlgap3 (NM_173138) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap3 (NM_173138) 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: >RN208456 representing NM_173138
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGGGTTACCATGGCGACCGAGGCAGCCATCCCCGCCAGCCCGCTTGTGCTACCAACAGCATATGG
 ACGTGGGCCAGCTGCCAGGGCCCCGTACCTGCTGGGCTCCAGGGAGGCCTTCTCCACCGAGCCCCGCTT
 CTGTGCCCCGAGAGCTGGCCTGGGACACCTTTCTCCAGAAGGGCCCTGAGCCTGAGTGAGGGTCCATCA
 TCTGTAGGCCCCGAGGGAGGCCAGGGGGGTGGGGGCTGGGGGAGGCAGCAGTACCTTCCCAGGATGT
 ACCCGGGCCAGGGCCCCCTTGACACCTGTGAAGACTGTGTGGGCCACCCACAGGGCAAGGGTGCCACCCG
 CCTGCCTCCACACTCCTGGATCAGTTTAAAAGCAGTTGCCAGTTCAACAAGATGGCTTCCACACACTC
 CCATACCAGCGAGGTCCAGCAGGGCCTGGTCTGGACCTGGATCTGGCGTGCCTGAGGCTCGCAGCG
 AGAGTCTAGCCGCATCCGGCACCTGGTCACTCTGTGCAGAAGCTCTTGGCAAGTCCCCTCTCTGGA
 GGCACCTGGGAAGCGAGACTATAATGGGCCTAAGGCCGAGGAAGAAGTACTCTGGGGGAGACAGCTAC
 TCTGGTCCAGGCTCAGGAGGCCCCCCACCTCCCACCACCACCATCACCACCACCACCATCACCACCACC
 AGTCCCGCATGGCAAACGGAGCAAGAGCAAGGACCGCAAGGGGGATGGGCGACACCAGACCAAGGCCAC
 AGGCTGGTGGAGCTCTGATGACAATTTGGACAGTGACAGTGGCTTCTGGGTGGGAGGCCCTGGAGAG
 CCCGGAGGTCCCTTCTGCCTGGATGCTCCAGATGGGTCTACCGGACTTGAGCTCAAGGGGCGTTTCGG
 GCGGGTCAAGAAGCCGCTGCCTTGCCTGCACTGGCATGTCCATGTCCCTGGATGGACAGTCAAGCGG
 AAGTGCCTGGCATAACCATGATGGTCAGCCAGGGCCGGGATGGATACCCAGGGGCCGGCCAGGCAAGGGG
 CTCCTGGTCCAGAGACCAAGGCCAAAGCCAGGACTTATCACTATTTGCAGGTGCCGAAGATGACTGGG
 GGGTTACCCACGGGTGGCAAGGATGGGGAGATCCCCTGCCCGAGGATGCGGAGCGGCAAGTACATCAA
 AGCCATGGGGGACGAGGAGAGCGGAGACTCAGATGGTAGCCCCAAGACGTCTCCCAAAGCACTTGGCCGA
 CGCTTTCCTCCCGCGTTCCTCCAGCGTGGACACAGCCAGGATCAACTGCTGTGTCCACCCCGGATCC
 ATCCCCGAGTTCATCCCTGGTACAGCCGTTCCCTTACAAGTGGACAGCTAAGCGAAGAGTTTAAACCA
 GCAGCTGGAGGCCGTGTGCGGGTCCGTGTTGGGGAGCTTGAAGTCCAGGCCGTGGACGCCCTGGACCTG
 CCCGGCTGTTCCGCATGCGGAGCCACAGCTACCTCCGGGCCATCCAGGCCGGCTGCTCTCAAGACGACG
 ACTGCCTACCCCTCCTTGTGCCCTGCCTGTCTCAGGGAGGCCCGGCTCCTCCTTCACTTCAAGAAA
 GGCCCCGCCCTATCCCGCCGGGAAGCCAGGCCACCCCGCATCTCCATCACCGCCAGAGCAGCACC
 GACTCTGCCACGAGAGCTTCACTGCAGCAGAGGGCCCGCCCGGCTGCAGCTCCGGGACGGACTGG
 ACGGCCCCACCATGGGGCGACGCACCCTCGAGTTGGCACCAGTGGCACCCCGGGCCAGCCCAAGCCCCC
 CACACTCATCAAGACCATTCTGGCCGGGAGGAGCTGCGGAGCCTGGCGCGACAGCGGAAGTGGCGG
 CCGTCCATTGGGGTGCAGGTGGAGACAATCTCAGACTCGGACACCAGAAACAGGAGCCGAAGAGATTCC
 ACTCCATTGGCGTTCAGGTGGAAGAGGACAAGAGCGGGCGAGGTTCAAGCGCTCCAACAGTGTGACAGC
 CGGTGTGACAGGACAGCTGGAAGTGGAGGGCCTGGCTGGCCTGGCCACTGTGGCCACAGAAGACAAGCC
 CTGCAGTTCGGACGCTCCTTCCAGAGGCACGCCTTGAGCCCCAGCCCGGACCCCGGGCCCCACCTACT
 CAGTCTTCCGACGGTCCACACGCAGGGCCAGTGGCCCTACCCGAGGGTACCCACTGCCGTATGAGCC
 GCGGCCACCGATGGGTGCCTGGCCCTCCCCGTGCCCCGCCCGGGCCCGGGTCCGGCCCGGTGAT
 TCCTGGATGGAGCGGGGTTTCGCTAGCCTCCCCGACTCAGGCCGACGTCCCCCTGCCACGGGATGGCG
 AGTGGTTCATCAAGATGCTGCGGGCAGAGGTGGAGAACTGGAACACTGGTGCCAGCAGATGGAGCGGGA
 GGCGGAGGACTATGAGCTGCCGGAGGAGATCTTAGAGAAGATTGAAGCGCCGTGGGCGAGCACAACTT
 CTCCTGTCTCAGAAGTCCAGCAGTTCTTCCAGGCTGTGTGAGCAAGCTTGGACCCACTGCGTTCCCTG
 TGCCACCTTCCAGGACTGGCCGTTTCTGGGACCTCTGCAGCTCTCATTGAGGATGTGACCCTCAA
 GTTCTGGAGCTACAACAACCAAGGCCAACAGCTGGAAGTCTGGAGCCTAAGGAGGAGAAGAAGGTC
 CCTCCGCCGATACAAAGAAGCCCTCGCGGGGGCGGGGCGTCCCGGTGAAGGAGCGCTCCCTGGACTCGG
 TGGACCGGACGCGCAGGAAGCGCGCAAGCGGCTCCTGGCGGCCAAGCGCGCCCTCGTCCGCCACAG
 TTCGGCTACTGAGAGCGCGGACAGCATCGAGATCTACATCCCCGAGGCCAGACCAGGCT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_173138
Insert Size:	2934 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).
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_173138.4, NP_775161.2</u>
RefSeq Size:	3873 bp
RefSeq ORF:	2934 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 longer isoform (1, also known as alpha) represented in this RefSeq is translated from the upstream 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>