

Product datasheet for **MC229242**

Dlgap3 (NM_001302081) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap3 (NM_001302081) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlgap3
Synonyms:	BC058433; DAP-3; DAP3; Prpl8; Sapap3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229242 representing NM_001302081
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGGGTTACCATGGCGACCGAGGCAGCCATCCCCGCCAGCCCGCTTGTGCTACCAACAGCATATGG
 ACGTGGGCCAGCTGCCAGGGCCCCGTACTGCTGGGCTCCAGGGAGGCCTTCTCCACCGAGCCCCGCTT
 CTGTGCTCCGAGAGCTGGCCTGGGACACCTTTCTCCAGAAGGACCCCTGAGCCTGAGTGAGGGTCCATCA
 TCAGTAGGCCCTGAGGGAGGCCAGGGGGGTGGGGGCTGGGGGAGGCAGCAGTACCTTCCCCAGGATGT
 ACCCCGGCCAGGGCCCCCTTGACACCTGTGAAGACTGTGTGGGCCACCCACAGGGCAAGGGTGCCACCCG
 ACTGCCTCCACACTCCTGGACCAGTTTAAAAGCAATTGCCAGTCCAACAAGATGGCTTCCACACACTC
 CCATACCAGCGAGGTCCAGCAGGGCCTGGTCTGGACCTGGATCTGGCGTGCCTCCGAGGCTCGCAGCG
 AGAGTCTAGCCGCATCCGGCACCTGGTCACTCAGTGCAGAAGCTCTTGGCAAGTCCCCTCTCTGGA
 GGCACCCGGGAAGCGAGACTATAACGGGCCAAGGCCGACGGAAGAGGTAGCTCTGGGGGAGACAGCTAC
 TCTGGTCCAGGCTCTGGAGGCACCCCCACTCCCACCACCACCATCACCACCACCATCACCACCACCACC
 AGTCCCGGCATGGCAAACGGAGCAAGAGCAAGGACCGCAAGGGGGATGGGCGACACCAGACCAAGGCCAC
 AGGCTGGTGGAGCTCTGATGACAATTTGGACAGTGACAGTGGCTTCTGGGTGGGAGACCTCCTGGAGAG
 CCTGGTGGCCCCCTTGCCTGGATGCTCCAGATGGGTCTACAGGGACTTGAGCTCAAGGGGCGTTTCGG
 GCGGGTCGGAAGGCCGCTGCCTTGCCTGCACTGGCATGTCCATGTCCCTGGATGGACAGTCAAGCGG
 AAGTGCCTGGCATAACATGATGGTCAGCCAGGGCCGGGATGGATACCCAGGGGCCGGCCAGGCAAGGGG
 CTCCTGGTCCAGAGACCAAGGCCAAAGCCAGGACTTACTACTATTTGCAGGTGCCGCAAGATGACTGGG
 GGGTTACCCACGCGGTGGCAAGGATGGGAGATCCCCGCGCAGGATGCGGAGCGGCAGCTACATCAA
 AGCCATGGGGGATGAGGAGAGTGGAGACTCAGATGGTAGCCCCAAGACGCTCTCAAAGCACTTGCSCGA
 CGCTTTCCTCCCGCCTTCTCCAGCGTGGACACAGCCAGGATCAACTGCTGTGTCCACCCCGGATCC
 ATCCCCGAGTTCATCCCTGGTACAGCCGTTCCCTCACAAGTGGACAGCTAAGCGAAGAGTTAAACCA
 GCAGCTGGAGGCCGTGTGCGGGTCCGTGTTGGGGAGCTTGAAGTCCAGGCCGTGGACGCCCTGGACCTG
 CCCGGCTGTTCCCGATGCGGAGCCACAGCTACCTCCGGGCCATCCAGGCCGGCTGCTCTCAAGACGACG
 ACTGCCTACCCCTCCTTGTGCCCTGCCTGTCTCAGGGAGGCCCGGCTCCTCCTCACTTCAGAAA
 GGCCCCGCCCCATCCCGCCGGAAGCCAGGCCACCCCGCATCTCCATCACCGCCAGAGCAGCACC
 GACTCTGCCACGAGAGCTTACCGCAGCAGAGGGCCCGCCCGCGCTGCAGCTCCGCGGACGGGCTGG
 ACGGCCCCACCATGGGGCGACGCACCCTCGAGTTGGCACCAGTCCACCCGAGCCAGTCCCAAGCCCCC
 CACACTCATCAAGACCATCCCTGGCCGGGAGGAGCTGCGGAGCTTGGCACGACAGCGGAAGTGGCGG
 CCGTCCATTGGGGTGCAGGTGGAGACAATCTCAGACTCGGACACCAGAAACAGGAGTCAAGAGAATTCC
 ACTCCATTGGCGTTCAGGTGGAAGAGGACAAGAGGCCGGCGAGGTTCAAGCGCTCCAACAGCGTGACAGC
 CGGTGTGCAGGCAGACCTGGAGCTGGAGGGCCTGGCCGGCCTGGCCACTGTGGCCACAGAAGACAAGGCC
 CTGCAGTTCGGACGCTCCTTCCAGAGGCACGCCTTGAGCCCCAGCCCGGCCCTCGGGCCCCACCTACT
 CAGTCTTCCGACGGTCCACACACAGGGCCAGTGGCCCTACCCGAGGGGCTACCCACTGCCGATGAGCC
 GCCGGCCACCGATGGGTGCCTGGCCCTACCCCTGTCCAGCCCCCGGTCCCGGGTCCGGCCCGGTGAT
 TCCTGGATGGAGCGGGGTTACGTAGCCTCCCCGACTCAGGCCGACGTCCTCCCTGCCACGGGATGGCG
 AGTGGTTCATCAAGATGCTGCGGGCAGAGGTGGAGAACTGGAACACTGGTGCCAGCAGATGGAGCGTGA
 GGCGGAGGACTATGAGCTGCCGAGGAGATCTTAGAGAAGATTGCGAGTCCCGTGGGCGAGTACGCAACTT
 CTCCTGTCTCAGAAGGTCCAGCAGTCTTTCAGGCTGTGTGAGCAAGCTTGGACCCACTGCGTTCCCTG
 TGCCACCTTCCAGGACCTGGCCGTTTCTGGGACCTCCTGCAGCTCTCATTGAGGATGTGACCCTCAA
 GTTCTGGAACATAACAACACTCAAGGCCAACAGCTGGAACACTCCTGGAGCCGAAGGAGGAGAAGAAGGTC
 CCTCCGCCGATACAAAGAAGCCCTCGCGGGGGCGGGGCGTGCCGGTGAAGGAGCGCTCCCTGGACTCGG
 TGGACCGCAGCGCAGGAAGCGCGCAAGCGGCTCCTGGCGGCCAAGCGCCCGCTCGTCCGCCACAG
 TTCGGCTACCGAGAGCGCGGACAGCATCGAGATCTACATCCCCGAGGCCAGACCAGGCT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001302081
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).
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_001302081.1</u> , <u>NP_001289010.1</u>
RefSeq Size:	4223 bp
RefSeq ORF:	2934 bp
Locus ID:	242667
UniProt ID:	<u>Q6PFD5</u>
Cytogenetics:	4 61.33 cM
Gene Summary:	May play a role in the molecular organization of synapses and neuronal cell signaling. Could be an adapter protein linking ion channel to the subsynaptic cytoskeleton. May induce enrichment of PSD-95/SAP90 at the plasma membrane.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has an alternate 5' UTR exon, compared to variant 1. Both variants 1 and 2 encode the same protein.