

Product datasheet for MC229253

Dlgap4 (NM_001277186) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap4 (NM_001277186) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlgap4
Synonyms:	A1225853; BC024558; DA; DAP-4; DAP4; S; SAPAP-4; Sapap4; WBP1; WBP16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229253 representing NM_001277186 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAGGCTCGGTGACAGCCGCCCCCGCCACCTCTCCGACAGCCTGGACCCACCTCACGAGCCCTCT
TTGCTGGACCTGACCGAAACCCCTACCTGCTGTGCCACCGAGGCTTTGCCCGGAAGCCGCTTCCC
CGGGCAAACACACTGCCGGGGATGGGCTCTTCCCACTCAACAACAGCTGCCCCACCAAGCAGCACC
TTCCCCGAATCCACTACAACCTCCACTTTGAGGTGCCCGAGGAAAGCCATTCCCAGCCACGCCAAG
CCACTAAGATCAATCGGCTGCCCGCAACCTCCTGGACAGTTTGAGAAACAACCTGCCTATCCACCGAGA
TGGCTTACGACCCCTCCAGTTCCCCCGGGGGAGGCCAAGGCCAGGGGTGAGAGTCCAGGCCGATTTCGC
CACCTGGTCCACTCTGTCCAGCTCTTCTTCTCACTAAGGCACCTCCATGGAGGGCACCAGCGGGCAAGG
TGGGTGGCAATGGCAGCAAGAAAGGTGGCTGGAGGACGAAAAGGCCGGAGGGCCAAAAGCAAGGAACG
GGCCAAGGCTGGGGAGCCAAACGGCGAAGCCGCTCCAACATCTCAGGCTGGTGGAGTTCAGATGACAAC
TTGGACGGTGAGGGTGGTGCCTCCGCAGTGGCCCTGCCTCGGGCTGATGACTCTGGCCGCCAGCAAG
AACGCACCCAGCCCGCTACTTCATGCACGCTACAACACCATCAGTGGGCACATGCTCAAACACCAAA
GAACACTACCACCGAGCTGACTGCCCGCGCCCGCCCTGCTCCCTGCTACCTGTCCCAGCCTTGGA
GTGGGCACCGACACCAACTATGTCAAACGTGGTTCTTGGTCCACTCTGACCCCTCAGTCATGCCCATGAGG
TCTGCCAGAAGACCTCAGCCACTTTGGATAAGAGCCTGCTCAAGTCCAAATCCTGCCACCAGGGTTTGGC
CTACCATACCTGCAGGTGCCCGCGGAGGGGAGAGTGGAGCACCACGCTGCTATCCCCTCGAGACATG
GATAGCACCGCTGAGGGGCCATCCCGTCCCGCGCATGCGCAGTGGCAGCTATATCAAGGCCATGGGCG
ATGAAGACAGTGATGAGTCTGGGGTGGTAGCCCAAACCTTACCCAAGACTGCAGCGCGGCGTCAGAG
CTACCTGAGGGTACGCAGCAGTCCCTGGGAGAGCAGAGCAACCCTCGACGGAGTTTGGACCGCTTGGAT
TCAGTGGACATGCTGCTGCCTTCCAAGTCCCCAGCTGGGAAGACGACTACAACCCATCAGTGACAGCC
TCAATGACTCCAGCTGTATCAGCCAGGTTTTGGACAGGCTTCCCTGATCCCCAGTTGTTTGGCCATGA
TCAACAGGTCCGGGAGGCAGATCTGAGCGACCAGTACGAGGCAGCCTGCGAGTCCGCTGCAAGTGGCC
GAGTCTACAACCGCAGAGGCACTCGACTTGCCGCTGCCAGCTACTTCCGCTCACGCAGCCACAGCTACC



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TGCGAGCCATCCAGGCAGGCTGCTCGCAAGAGGAGGACAGTGTCTCCCTGCAGTCCCTCTCCCCACCGCC
 CAGCACTGGCAGCCTCAGCAACAGTCGCACGCTTCCAAGTTTCATCATGCCTAGTGGCATATAAGAAGACC
 CCACCACCGGTCCTCCACGAACCACATCGAAACCGTTTCATCTCAGTCACCGTCCAGAGCAGTACTGAGT
 CTGCTCAGGATACCTACCTGGACAGTCAAGACCACAAGAGCGAAGTGACGAGCCAGTCCGGCTTGAGCAA
 CTCATCAGACAGCCTGGACAGCAGTACCCGGCCACCCAGTGTGACACGGGGTGAATTACCCAGGCCCT
 GAAGCTCCGGAGCCACCCCTAAGCATGCAGCTCTGAAGAGTGAACAAGGGACTGACGAGCTCTGAGT
 CCCATTCCGAGGCCATCCCCAAAAGGAACTGTTCATCGATAGGAATACAAGAGAGGACTAGAAGGAGCGG
 TTCCACCTCTCGGAGGACAACGGACAAAAGCGATCGATGTGATGGCGCCCTCCTCAGAAAGCAGTGCC
 CCCTCTCACAGCATGTCCTCCCGTCGGGACACTGACTCTGATACCCAGGATGCCAACGACTCCAGTTGTA
 AGTCATCTGAGAGGAGTCTCCAGACTGTACCTCACACCCCAATTCATCAGCATTGATGCTGGCCCCCG
 ACAGGCCCCCAAGATTGCCAGATCAAGCGCAACCTCTCCTATGGAGACAACAGCGACCCTGCCCTGGAG
 GCGTCTTCGCTGCCCCACCCGACCCTTGGCTGGAGACTTCTCCAGCTCCCCAGCAGAGCCCGCTCAGC
 CAGGGGCTGCCGAGGGATGGCTACTGGTTCTGAAGCTCCTCAGGCAGAAACGGAGAGACTGGAAGG
 CTGGTGTGCCAGATGGACAAGGAGACCAAGAGAACAACCTCTCTGAAGAAGTCTTAGGAAAAGTTCTC
 AGTGTGTGGGCAGCGCCAGCTCCTGATGTCCCAGAAATTCAGCAGTTCGCGGCCTCTGTGAGCAGA
 ACTTGAACCTGATGCCAACCCCGTCCGACAGCCAGGACTGGCAGGGTTCTGGGACCTGCTGCAGCT
 GTCCATTGAGGACATCAGCATGAAGTTCGATGAGCTCTACCACCTCAAGGCCAACAGCTGGCAGCTGGTG
 GAGACCCCGAGAAGAGGAAGGAAGAGAAGAAGCCACCCCTCCAGTCCCAGGAAGCCAGCCAAATCCA
 AGGCGGACAGTGAAGCCGACAAGGCCTCAGACGCGGGGACAAGCAGCGTCAGGAGGCCAGAAAGAGACT
 CCTGGCCGCAAGCGAGCAGCGTCTGTGCGGCAGAACTCGGCCACAGAGAGTGCCGACAGCATCGAGATT
 TATGTCCCGAGGCCAGACCAGGCTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001277186
- Insert Size:** 2970 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:**
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_001277186.1](#), [NP_001264115.1](#)
- RefSeq Size:** 4866 bp

RefSeq ORF: 2970 bp

Locus ID: 228836

UniProt ID: [B1AZP2](#)

Cytogenetics: 2 H1

Gene Summary: This gene encodes a membrane-associated guanylate kinase found at the postsynaptic density in neuronal cells. The encoded protein may play a role in synapse organization and neuronal signalling. Alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Mar 2013]
Transcript Variant: This variant (4) lacks an exon and contains an alternate in-frame exon, compared to variant 1. The encoded isoform (d) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.