

Product datasheet for **MC229241**

Dlgap4 (NM_001277187) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap4 (NM_001277187) 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



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Fully Sequenced ORF: >MC229241 representing NM_001277187
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGGCCTCGGTGACAGCCGCCCCCGCCACCTCTCCGACAGCCTGGACCCACCTCACGAGCCCCTCT
 TTGCTGGACCTGACCGAAACCCCTACCTGCTGTGCCCCACCGAGGCCTTTGCCCGGGAAGCCCGCTTCCC
 CGGGCAAACACACTGCCGGGGGATGGGCTCTTCCCACTCAACAACAGCTGCCCCACCAAGCAGCACC
 TTCCCCGAATCCACTACAACCTCCACTTTGAGGTGCCGAGGAAAGCCATTCCCAGCCACGCCCAAG
 CCCTAAGATCAATCGGCTGCCCGCAACCTCCTGGACCAGTTTGAAGAACTGCCTATCCACCGAGA
 TGGCTTACGACCCCTCCAGTTCCCCGGGGGAGGCCAAGGCCAGGGGTGAGAGTCCAGGCCGATTTCGC
 CACCTGGTCCACTCTGTCCAGCGTCTTCTTCACTAAGGCACCTCCATGGAGGGCACCCGGGCAAGG
 TGGGTGGCAATGGCAGCAAGAAAGGTGGCTGGAGGACGAAAAGGCCGGAGGGCCAAAAGCAAGGAACG
 GGCAAGGCTGGGAGCCAAACGGCGAAGCCGCTCCAACATCTCAGGCTGGTGGAGTTCAGATGACAAC
 TTGGACGGTGGGGTGGTGCCTTCCGCAGTGGCCCTGCCTCGGGGCTGATGACTTGGGCCGCCAGCAAG
 AACGCACCCAGCCCCGCTACTTCATGCACGCCTACAACACCATCAGTGGGCACATGCTCAAAACCACAA
 GAACACTACCACCGAGCTGACTGCCCGCCGCCCCCGCCTGCTCCCCCTGCTACCTGTCCCAGCCTTGGA
 GTGGGCACCGACACCAATATGTCAAACGTGGTTCCTGGTCCACTCTGACCCTCAGTCAATGCCATGAGG
 TCTGCCAGAAGACCTCAGCCACTTTGGATAAGAGCCTGCTCAAGTCCAAATCCTGCCACCAAGGTTTGGC
 CTACCATACCTGCAGGTGCCGGCGGAGGGGAGAGTGGAGCACCACGCTGCTATCCCCTCGAGACATG
 GATAGCACCGCTGAGGGGCCATCCCGTCCGGCGCATGCGCAGTGGCAGCTATATCAAGGCCATGGGGC
 ATGAAGACAGTATGAGTCTGGGGTGGTAGCCCCAAACCTTCAACCAAGACTGCAGCGCCGGCTCAGAG
 CTACCTGAGGGCTACGCAGCAGTCCCTGGGAGAGCAGAGCAACCCCTCGACGGAGTTTGGACCGCTTGGAT
 TCAAGTGGACATGCTGCTGCCTTCCAAGTCCCCAGCTGGGAAGACGACTACAACCCCATCAGTGACAGCC
 TCAATGACTCCAGCTGTATCAGCCAGGTCGGGAGGCAGATCTGAGCGACCAGTACGAGGCAGCCTGCGA
 GTCGGCCTGCAGTGGGCCGAGTCTACAACCGCAGAGGCACTCGACTTGGCGTGGCCAGCTACTTCCGC
 TCACGCAGCCACAGCTACCTGCGAGCCATCCAGGCAGGCTGCTCGCAAGAGGAGGACAGTGTCTCCCTGC
 AGTCCCTCTCCCCACCGCCAGCACTGGCAGCCTCAGCAACAGTGCACGCTTCCAAGTTCATCATGCCT
 AGTGGCATATAAGAAGACCCACCACCGGTCCTCCACGAACCACATCGAAACCGTTCATCTCAGTCACC
 GTCAGAGCAGTACTGAGTCTGCTCAGGATACCTACCTGGACAGTCAAGACCACAAGAGCGAAGTGACGA
 GCCAGTCGGGCTTGGCAACTATCAGACAGCCTGGACAGCAGTACCCGGCCACCCAGTGTGACACGGGG
 TGGAAATACCCAGGCCCTGAAGCTCCGGAGCCACCCCTAAGCATGCAGCTCTGAAGAGTGAACAAGGG
 AACTGACGAGCTCTGAGTCCCATTCCGAGGCCATCCCCAAAAGGAAACTGTCAATCGATAGGAATACAAG
 TTGACTGCATTACGCCAGTGCCAAAAGAGGAGCCAGTCCCGCTACCAAAATCCAGTCCATCGGGATTCA
 GGTAGAGGACGACTGGCGAAGCAGTGGCCCTCTCACAGCATGTCTCCCGTGGGACACTGACTCTGAT
 ACCCAGGATGCCAACGACTCCAGTTGTAAGTCACTGAGAGGAGTCTCCAGACTGTACCTCACACCCCA
 ATTCATCAGCATTGATGCTGGCCCCGACAGGCCCAAGATTGCCAGATCAAGCGCAACCTCTCCTA
 TGGAGACAACAGCGACCTGCCCTGGAGCGTCTTCGCTGCCCCACCCGACCTTGGCTGGAGACTTCC
 TCCAGTCCCCAGCAGAGCCCGCTCAGCCAGGGGCTGCCGACGGGATGGCTACTGGTTCCTGAAGCTCC
 TTCAGGCAGAAACGGAGAGACTGGAAGGCTGGTGTGCCAGATGGACAAGGAGACCAAAGAGAACAACCT
 CTCTGAAGAAGTCTTAGGGAAAGTTCTCAGTGTGTGGGACGCGCCAGCTCCTGATGTCCAGAAATTC
 CAGCAGTTCGGCGCCTCTGTGAGCAGAACTTGAACCCTGATGCCAACCCCGTCCGACAGCCAGGACC
 TGGCAGGGTTCTGGACCTGTGCAGTGTCCATTGAGGACATCAGCATGAAGTTCGATGAGCTCTACCA
 CCTCAAGGCCAACAGCTGGCAGCTGGTGGAGACCCCGAGAAGAGGAAGGAAGAGAAGCCACCCCT
 CCAGTCCCGAAGAAGCCAGCCAAATCCAAGGCGCAGTGAAGCCGACAAGGCCTCAGACCGGGGGACA
 AGCAGCGTCAGGAGGCCAGAAAGAGACTCTGGCCGCAAGCGAGCAGCGTCTGTGGCGCAGAACTCGGC
 CACAGAGAGTGGCGACAGCATCGAGATTTATGTCCCCGAGGCCAGACCAGGCTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001277187
Insert Size:	2928 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_001277187.1</u> , <u>NP_001264116.1</u>
RefSeq Size:	4824 bp
RefSeq ORF:	2928 bp
Locus ID:	228836
UniProt ID:	<u>B1AZP2</u>
Cytogenetics:	2 H1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (e) 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.</p>