

Product datasheet for MC223008

Dlgap4 (NM_146128) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap4 (NM_146128) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlgap4
Synonyms:	A1225853; BC024558; DA; DAP-4; DAP4; S; SAPAP-4; Sapap4; WBP1; WBP16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223008 representing NM_146128 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGGCCTCGGTGACAGCCGCCCCCGCCACCTCTCCGACAGCCTGGACCCACCTCACGAGCCCTCT
TTGCTGGACCTGACCGAAACCCCTACCTGCTGTCGCCACCGAGGCCCTTGCCCGGAAGCCCGCTTCCC
CGGGCAAACACACTGCCGGGGATGGGCTTCCCACTCAACAACCAGCTGCCCCACCAAGCAGCACC
TTCCCCGAATCCACTACAACCTCCACTTTGAGGTGCCCGAGGAAAGCCATTCCCAGCCACGCCCAAG
CCACTAAGATCAATCGGCTGCCCGCAACCTCCTGGACCAGTTTGAGAAACAACCTGCCTATCCACCGAGA
TGGCTTCAGCACCTCCAGTTCCCCCGGGGAGGCCAAGGCCAGGGGTGAGAGTCCAGGCCGATTTCGC
CACCTGGTCCACTCTGTCCAGCTCTCTTCTTCACTAAGGCACCTCCATGGAGGGCACCGCGGGCAAGG
TGGGTGGCAATGGCAGCAAGAAAGGTGGCTGGAGGACGAAAAGGCCGGAGGGCCAAAAGCAAGGAACG
GGCCAAGGCTGGGGAGCCCAAACGGCGAAGCCGCTCCAACATCTCAGGCTGGTGGAGTTCAGATGACAAC
TTGGACGGTGAGGGTGGTGCCTTCCGAGTGGCCCTGCCCGGGCTGATGACTCTGGCCGCCAGCAAG
AACGCACCCAGCCCGCTACTTCATGCACGCCTACAACACCATCAGTGGGCACATGCTCAAACACCAA
GAACACTACCACCGAGCTGACTGCCCGCCGCCCGCCCTGCTCCCCCTGCTACCTGTCCCAGCCTTGGA
GTGGGCACCGACCAACTATGTCAAACGTGGTTCCTGGTCCACTGACCCTCAGTCATGCCCATGAGG
TCTGCCAGAAGACCTCAGCCACTTTGGATAAGAGCCTGCTCAAGTCCAAATCCTGCCACCAAGGTTTGGC
CTACCATTAACCTGCAGGTGCCCGCGGAGGGGAGAGTGGAGCACCACGCTGCTATCCCCCTCGAGACATG
GATAGCACCGCTGAGGGGCCATCCCGTGCCGGCGCATGCGCAGTGGCAGCTATATCAAGGCCATGGGCG
ATGAAGACAGTGATGAGTCTGGGGTGGTAGCCCCAAACCTTCACCCAAGACTGCAGCGCGGCGTCAGAG
CTACCTGAGGGCTACGCAGCAGTCCCTGGGAGAGCAGAGCAACCTCGACGGAGTTTGGACCGCTTGGAT
TCAGTGGACATGCTGCTGCCTTCAAGTCCCCAGCTGGGAAGACGACTACAACCCATCAGTGACAGCC
TCAATGACTCCAGCTGTATCAGCCAGTTTTTGGACAGGCTTCCCTGATCCCCAGTTGTTGGCCATGA
TCAACAGGTCCGGGAGGCAGATCTGAGCGACCAGTACGAGGCAGCCTGCGAGTCGGCTGCAGTGAGGCC



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GAGTCTACAACCGCAGAGGCACTCGACTTGCCGCTGCCAGCTACTTCCGCTCACGCAGCCACAGCTACC
 TGCAGCCATCCAGGCAGGCTGCTCGAAAGAGGAGGACAGTGTCTCCCTGCAGTCCCTCTCCCCACCGCC
 CAGCACTGGCAGCCTCAGCAACAGTGCACGCTTCCAAGTTTCATGCCTAGTGGCATATAAGAAGACC
 CCACCACCGGTCCCTCCACGAACCACATCGAAACCGTTTCATCTCAGTACCCTCCAGAGCAGTACTGAGT
 CTGCTCAGGATACCTACCTGGACAGTCAAGACCACAAGAGCGAAGTGACGAGCCAGTCCGGCTTGAGCAA
 CTCATCAGACAGCCTGGACAGCAGTACCCGCGCCACCCAGTGTGACACGGGGTGAATTACCCAGGCCCT
 GAAGTCCGGAGCCACCCCTAAGCATGCAGCTGAAGAGTGAACAAGGACACTGACGAGCTGAGT
 CCATTCCGAGGCCATCCCCAAAAGGAAACTGTCATCGATAGGAATACAAGTTGACTGCATTCAGCCAGT
 GCCAAAAGAGGAGCCAGTCCCGCTACCAAATTCAGTCCATCGGGATTAGGTAGAGGACGACTGGCGA
 AGCAGTGGCCCTCTCACAGCATGCTCTCCCGTCGGGACACTGACTCTGATACCCAGGATGCCAACGACT
 CCAGTTGTAAGTCATCTGAGAGGAGTCTCCAGACTGTACCTCACACCCCAATTCATCAGCATTGATGC
 TGGCCCCGACAGGCCCCCAAGATTGCCAGATCAAGCGCAACCTCTCTATGGAGACAACAGCGACCT
 GCCCTGGAGGCGTCTTCGCTGCCCCACCCGACCCTTGCTGGAGACTTCTCCAGCTCCCAGCAGAGC
 CCGCTCAGCCAGGGCCCGCCAGGGATGGCTACTGGTTCTGAAGCTCCTTCAGGCAGAAACGGAGAG
 ACTGGAAGGCTGGTGTGCCAGATGGACAAGGAGACCAAGAGAACAACCTCTCTGAAGAAGTCTTAGGG
 AAAGTTCTCAGTGTGGGCAGCGCCAGTCCCTGATGTCCAGAAATTCAGCAGTTCGCGGCCCTCT
 GTGAGCAGAACTGAACCTGATGCCAACCCCGTCCGACAGCCAGGACCTGGCAGGGTCTGGGACCT
 GCTGCAGCTGTCCATTGAGGACATCAGCATGAAGTTTCATGAGCTCTACCACCTCAAGGCCAACAGCTGG
 CAGCTGGTGGAGACCCCCGAGAAGGAAGGAAGAGAAGCCACCCCTCCAGTCCCAGAAAGCCAG
 CCAATCCAAGGCGCAGTGAGCCGCGACAAGGCCCTCAGACGCGGGGACAAGCAGCGTCAAGGAGCCAG
 AAAGAGACTCTGGCCGCAAGCGAGCAGCGTCTGTGCGGCAGAACTCGGCCACAGAGAGTGGGACAGC
 ATCGAGATTTATGTCGCCGAGGCCAGACCAGGCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_146128
- Insert Size:** 2979 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:**
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_146128.6](#), [NP_666240.4](#)
- RefSeq Size:** 4875 bp
- RefSeq ORF:** 2979 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 (1) represents the longest transcript and encodes the longest 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.