

Product datasheet for **MR226208**

Dlgap1 (NM_001128180) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap1 (NM_001128180) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dlgap1
Synonyms:	4933422O14Rik; 9630002F18; AI845682; AI848168; BB075781; D17Bwg0511e; Gkap; GKAP/SAPAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR226208 representing NM_001128180
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCGACCTTTTTAAGGCTGAGTGGGTTTCTCAGTTTGCCTGCAAGTTTCCCGAAATGGAAGGACTG
 ACCAGGTTCCCCAGGATGAATGGTCAGGGTACACACCTCGCGGGAAAGACGACGAGATCCCGTGCCGGAG
 GATGCGCAGTGGTAGCTACATCAAAGCCATGGGGATGAAGACAGTGGGGACTCGGACACGAGCCCCAAG
 CCGTCTCCCAAGGTGGCTGCAAGAAGAGAAAGCTATCTCAAGGCCACGCAGCCGTCCTTACAGAGCTCA
 CCACTCTCAAGATCTCCAATGAACACTCCCCAAACTCCAGATCCGGAGTCACAGCTACCTGAGGGCCGT
 AAGTGAAGTCTCCATCAACAGAAGCCTGGACAGCCTGGACCCTGCAGGCTTGCTCACGTACCCAAAGTTC
 CGCTCCAGAAACGAGAGCTACATGCGCGCCATGAGCACCATAAGTCAGGTGAGCGAGATGGAGGTGAACG
 GCCAGTTCGAATCCGTGTGCGAGTCTGTGTTACGCGAGCTGGAGTCGAGGCGGTGGAAGCGCTGGACCT
 GCCCTGCCTGGCTGCTCCGCATGCGGAGCCACAGCTATGTGCGGGCCATCGAAAAGGGCTGCTCCAG
 GACGACGAATGCGTGTGCTGCGGTGCTCCTCCCTCCACGCACAACCACCACCTGAGGACCATCCAGA
 GCAGCACCGTGTATCTTGCATTACAACATATAAGAAGACACCACCTCCAGTCCCACCCAGAAGTACCAC
 GAAACCTTTTATTTCTATCACAGCCAGAGTAGCACAGAGTCTGCGCAGGATGCCTACATGGACGGGCAA
 GGCCAGCGCGGAGACATGATCAGCCAGTCTGGCCTCAGCAACTCCACCGAAAGTCTGGACAGTATGAAGG
 CTCTCACGGTGGCCATCGAGGCTGCAAACGCCAGATTACGGCCAGCAAGTCAACATATGGGCAGCAA
 TGCTGTGCTGTACCACCACCACCACCATAGCCACTGTACCACCGAGGATAGGAAGAAAGACTTTAAG
 AAAAACCGATGTCTGTCTATTGGGATACAGGTGGAGTGAAGTAGAAGAAGAGAAGTGTCTCCGAGGTTCACTCG
 GTCCAACAGTGTGACAACCTGCAGTACAGGCCGACCTGGACTTCCATGATAATCTGGAAAATTCTCTGGAG
 TCTATAGAGGACAATTCGTGTCCTGGCCCCATGGCCAGACAGTTCTCGCGGGACGCCAGCACCTCTACCG
 TCAGTATCCAGGGTTCAGGAAACCACTATCATGCCTGTGCAGCCGATGACGACTTTGACACGGATTTTGA
 CCCCTCTATCCTGCCTCCTCCGGACCCCTGGATTGACTCTATCACAGAAGACCCTCTGGAGGCCGTTCAA
 AGGTCCGTGTGCCACCGGACGGCCACTGGTTCCTGAAGCTTCTCCAGGCAGAGCGGGACCCGATGGAAG
 GGTGGTGAAGCTAATGGAGAGAGAAGAGAGGGAGAACAACCTCCAGAAGACATTCTAGGGAAAATCCG
 AACCGCGTGGGAGTGCCTCACTTCTCATGGCGCAGAAATTCTACCAGTTCAGAGAAGTGTGTGAAGAG
 AACCTGAATCCCAATGCTCACCCGAGACCCACTTCCCAGGACTTGGCGGGTTTTGGGACATGCTGCAGT
 TGTCATAGAGAATATTAGTATGAAATTTGATGAACTTTCATCAGCTAAAGGCCAATAATTGGAAACAGAT
 GGATCCTCTTGACAAGAAGGAGCGAAGGGCCCTCCTCCAGTGCCAAAAGAAGCCGGCGAAGGGCCCCGCG
 CCGCTGATCCGGGAGCGCTCGCTGGAGAGCTCGCAGCGCCAGGAGGCCCGCAAGCGCCTGATGGCCGCCA
 AGCGCGCCCGCTCGTCCGCCAGAACTCGGCCACCGAGAGCGCCGAGAGCATCGAGATCTACATCCCCGA
 GGCGCAGACCCGGCTC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226208 representing NM_001128180
Red=Cloning site Green=Tags(s)

MIDL FKA EWSSVCVQVSRNGRTDQVPQDEWSGYTPRGKDDEIPCRMRMRSGSYIKAMGDEDSGSDTSPK
 PSPKVAARRESYLKATQPSL TEL TTLKI SNEHSPKLQIRSHSYLRVSEVSINRSLDSLDPAGLLTSPKF
 RSRNESYMRAMSTISQVSEMEVNGQFESVCEVFSELESQAVEALDLPLPGCFMRSHSYVRAIEKGCSQ
 DDECVSLRSSSPRRTTTTVRTIQSSTVSSCITTYKTPPPVPPRTTTTKPFISITAQSSTESAQDAYMDGQ
 GQRGDMISQGLSNSTESLDSMKALTAIEAANAQIHGPASQHMGSNAAAVTTTTIATVTTEDRKKDFK
 KNRCLSIGIQVDDAEEPEKMAESKTSNKFQSVGVQVEEEKCFRRFTRSNSVTTAVQADLDFHDNLENSLE
 SIEDNSCPGPMARQFSRDASTSTVSIQSGNHYHACAADDDFDTFDPSILPPDPWIDSITEDPLEAVQ
 RSVCHRDRGHWFLKLLQAERDRMEGWCKLMEREERENNPEDILGKIRTAVGSAQLLMAQKFYQFRELCEE
 NLNPNAPRPTSQDLAGFDMLQLSIENISMKFDLHQLKANNWKQMDPLDKKERRAPPPVKKPAKGA
 PLIRERSLESSQRQEARRLMAAKRAASVRQNSATESAESIEIYIPEAQTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001128180

ORF Size: 2046 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001128180.1](#), [NP_001121652.1](#)

RefSeq Size: 5306 bp

RefSeq ORF: 2049 bp

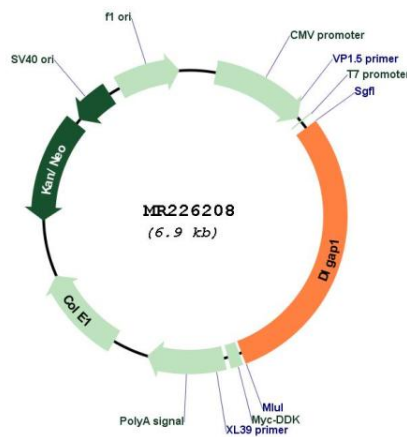
Locus ID: 224997

Cytogenetics: 17 40.85 cM

MW: 76.4 kDa

Gene Summary: Part of the postsynaptic scaffold in neuronal cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226208