

Product datasheet for **MR226203**

Dlgap1 (NM_027712) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap1 (NM_027712) 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)



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ORF Nucleotide Sequence:

>MR226203 representing NM_027712
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGGGTTATCGGGTAGCCGACGCCACCACCATGGGATCACCTGCGAGGCGGCCTGTGACTCCTTGT
 CACACCCTCAGACCACAAGCCGTACCTGCTGAGCCCGTAGACCACCACCCTGCCGACCATCCCTACTA
 CACCCAGCGGAATTCCTCCAGGCCGAGTGCCTAGGGCCCTTCAGCGACCCGCTGCCGAGCAGCACCTTC
 CCGCGCAGGCACTACACCTCGCAGCAGGAGCTGAAGGACGAGAGTGCCCTGGTACCACGCACCCTGGCCA
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 CTATCACACGCTACAGTACAAGCGCACCCTGTGGAGCATCGCAGCGATAGCCCCGGCCGATCCGGCAC
 CTGGTCCACTCGGTCCAGAAGCTCTTTACTAAGTCTCATTCCCTGGAGGGGCCATCCAAAGGCGAGTCA
 ACGGGGGCAAGGCTAGCCCTGACGAGTCGCAAACTCTGAGATATGGCAAGCGCAGCAAGAGCAAGGAGAG
 GCGATCAGAATCCAAGGCTAGATCCAATGCTTCTAACGCCTCCCCACCTCTCCAGTTGGTGGAGTTCA
 GATGACAACTGGATGGTGACATGTGCCTTACCACACGCCCTCGGGTGTGATGACCATGGGCGAGGTGC
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 CCGGAGTAAACAATGACATCAAGTGTCCACCTGTGCCAACCTGCCAGTACGCTGGATGCCCCGCTTCTG
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 ACATGGATCAGGCCATGGTGAAGTCCGAAGCTTGTCAACAAGAGCGGTCTGCCAGTACTTACAGTTCC
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 AGGTGGTCAAGAAGAGAAAGCTATCTCAAGGCCACGACGAGCCCTTACAGAGCTCACCACTCAAA
 GATCTCCAATGAACACTCCCCAAACTCCAGATCCGGAGTCACAGCTACCTGAGGGCCGTAAGTGAAGTC
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 GGCTGCTCCGCATGCGGAGCCACAGCTATGTGCGGGCCATCGAAAAGGGCTGCTCCAGGACGACGAAT
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 ATTTCTATCACAGCCAGAGTAGCACAGAGTCTGCGCAGGATGCCTACATGGACGGGCAAGGCCAGCGCG
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 GAATATTAGTATGAAATTTGATGAATTCATCAGCTAAAGCCAATAATTGGAACAGATGGATCCTCTT
 GACAAGAAGGTAGAACAATGTAGATTTGTATGGTCCATTTAAAACCTGCACAAACGCTGGACAGTCTA
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226203 representing NM_027712
 Red=Cloning site Green=Tags(s)

MKGLSGSRSHHHGITCEAACDSLSHSDHKPYLLSPVDHHPADHPYQTQRNSFQAECVGPFSPLASSTF
 PRRHYTSQQELKDESALVPRTLATKANRLPTNLLDQFERQLPLSRDGYHTLQYKRTAVEHRSDSPGRIRH
 LVHSVQKLFTKSHSLEGPSKGSVNGKASPDESQTLRYGKRKSKERRSESKARSNASASPTSPSWSS
 DDNLDGDMCLYHTPSGVMTMGRCPDRSASQYFMEAYNTISEQAVKASRSNNDIKCSTCANLPVTLDAPLL
 KKSAWSSTLTVSRAREVYQKASVNMDQAMVKSEACQQERSQYLQVPQDEWSGYTPRGKDDDEIPCRMRMS
 GSYIKAMGDESDSDTSPKPSPKVAARRESYLKATQPSLTELTTLKISNEHSPKQIRSHSYLRAVSEV
 SINRSLDSLDPAGLLTSPKFRSRNESYMRAMSTISQVSEMEVNGQFESVCEVSELESQAVEALDPLP
 GCFRMRSHSYVRAIEKGCSDDECVSLRSSPPRTTTTTRTIQSSTVSSCITTYKTPPPVPPRTTTKPF
 ISITAQSTESAQDAYMDGQGQRGDMISQSGLSNSTESLDSMKALTAIEAANAQIHGPASQHMGSNAAA
 VTTTTTATVTTEDRKKDFKKNRCLSIGIQVDDAEEPEKMAESKTSNKFQSVGVQVEEEKCFRRFTRSNS
 VTTAVQADLDFHDNLENSLESIEDNSCPGPMARQF SRDASTSTVSIQSGNHYHACAADDDFDTFDPSI
 LPPDPWIDSITEDPLEAVQRSVCHRDPGHWFLLKLLQAERDRMEGWCKLMEREERENLNPEDILGKIRTAV
 GSAQLLMAQKFYQFRELCEENLNPNAHPRPTSQDLAGFDWMLQLSIENISMKFDELHQLKANNWKQMDPL
 DKKVEQCRFCMVHLKPCTNAGQSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

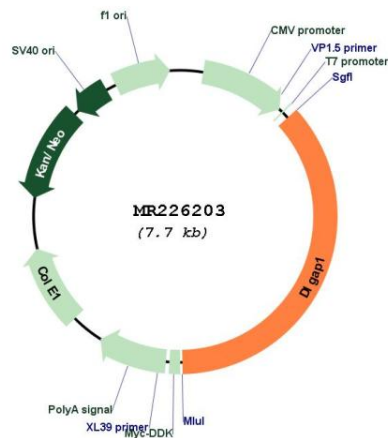
Cloning Scheme:



ACCN: NM_027712

ORF Size: 2802 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:	<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:	NM_027712.3 , NP_081988.3
RefSeq Size:	4289 bp
RefSeq ORF:	2805 bp
Locus ID:	224997
UniProt ID:	Q9D415
Cytogenetics:	17 40.85 cM
MW:	104.5 kDa
Gene Summary:	Part of the postsynaptic scaffold in neuronal cells.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR226203