

Product datasheet for **MG220808**

Dlgap4 (NM_001042487) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap4 (NM_001042487) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dlgap4
Synonyms:	A1225853; BC024558; DA; DAP-4; DAP4; S; SAPAP-4; Sapap4; WBP1; WBP16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG220808 representing NM_001042487
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTTGTGTCTGGAGCTCTTGAAGCAATGTTTCATCATGCCTAGTGGCATATAAGAAGACCCACCAC
 CGGTCCCTCCACGAACCATCGAAACCGTTTCATCTCAGTCACCGTCCAGAGCAGTACTGAGTCTGCTCA
 GGATACCTACCTGGACAGTCAAGACCACAAGAGCGAAGTGACGAGCCAGTCGGGCTTGAGCAACTCATCA
 GACAGCCTGGACAGCAGTACCCGGCCACCCAGTGTGACACGGGGTGAATTACCCAGGCCCTGAAGCTC
 CGGAGCCACCCCTAAGCATGCAGCTCTGAAGAGTGAACAAGGGACTGACGAGCTCTGAGTCCCATTTC
 CGAGGCCATCCCCAAAAGGAACTGTATCGATAGGAATACAAGTTGACTGCATTAGCCAGTGCCAAAA
 GAGGAGCCAGTCCCGTACCAAATCCAGTCCATCGGGATTGAGTACAGGACGACTGGCGAAGCAGTG
 CCCCTCTCACAGCATGTCTCCCGTCGGGACTGACTCTGATACCCAGGATGCCAACGACTCCAGTTG
 TAAGTCATCTGAGAGGAGTCTCCAGACTGTACCTCACACCCCAATTCATCAGCATTGATGCTGGCCCC
 CGACAGGCCCCCAAGATTGCCAGATCAAGCGCAACCTCTCTATGGAGACAACAGCGACCTGCCCTGG
 AGGCGTCTTCGCTGCCCCACCCGACCCTTGGCTGGAGACTTCTCCAGTCCCCAGCAGAGCCCGCTCA
 GCCAGGGGCTGCCGAGGGATGGCTACTGTTCTGAAGCTCCTTCAGGCAGAAACGGAGAGACTGGAA
 GGCTGGTGTGCCAGATGGACAAGGAGACCAAGAGAACAACCTCTCTGAAGAAGTCTTAGGAAAGTTC
 TCAGTGTGTGGGAGCGCCAGCTCCTGATGTCCAGAAATTCAGCAGTTCGCGGCCCTCTGTGAGCA
 GAACCTGAACCTGATGCCAACCCCGTCCGACAGCCAGGACCTGGCAGGGTCTGGGACCTGTGCGAG
 CTGTCCATTGAGGACATCAGCATGAAGTTCGATGAGCTCTACCACCTCAAGGCCAACAGCTGGCAGTGG
 TGGAGACCCCGAGAAGAGGAAGGAAGAGAAGGCCACCCCTCCAGTCCCAGAAGAAGCCAGCCAAATC
 CAAGGCGCAGTGAGCCGCGACAAGGCCTCAGACGCGGGGACAAGCAGCGTACGAGGCCAGAAAGAGA
 CTCTGGCCGCCAAGCGAGCAGCTGTGTGCGGCAAGTCTCGGCCACAGAGAGTGGCGACAGCATCGAGA
 TTTATGTCCCGAGGCCAGACCAGGCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG220808 representing NM_001042487
 Red=Cloning site Green=Tags(s)

MALCLELLKQCSSCLVAYKKTPPPVPRTTSKPFISVTVQSSSTESAQDTYLDSDQHKSEVTSQSGLSNSS
 DSLDSSTRPPSVTRGGITPGPEAPEPPPKHAALKSEQGLTSSSEHSEAIIPKRKLSSIGIQVDCIQVVPK
 EEPSPATKFSIGIQVEDDWRSSAPSHSMSSRRDSDSDTDANDSSCKSSERSLPDCTSHPNISIDAGP
 RQAPKIAQIKRNL SYGDNNDPALEASSLPPDPWLETSSSPAEPAPGACRRDGYWFLKLLQAETERLE
 GWCCQMDKETKENNLSEEVLGKVL SAVGSAQLLMSQKFQFRGLCEQNLNPDANPRPTAQDLAGFWDLLQ
 LSIEDISMKFDELYHLKANSWQLVETPEKRKEEKPPPPVPKPKAKSKAAVSRDKASDAGDKQRQEARKR
 LLAAKRAASVRQNSATESADSIEIYVPEAQTRL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001042487

ORF Size: 1359 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_001042487.1](#), [NP_001035952.1](#)

RefSeq Size: 3631 bp

RefSeq ORF: 1362 bp

Locus ID: 228836

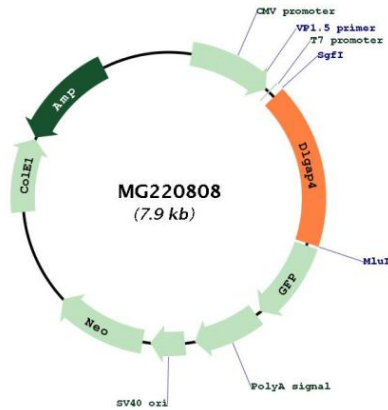
UniProt ID: [B1AZP2](#)

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]

Product images:



Circular map for MG220808