

Product datasheet for **RC221038**

DLGAP4 (NM_001042486) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DLGAP4 (NM_001042486) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DLGAP4
Synonyms: DAP-4; DAP4; DLP4; SAPAP-4; SAPAP4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC221038 representing NM_001042486
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTCCCGACGGGACACAGACTCGGATACCCAGGATGCCAATGACTCAAGCTGTAAGTCATCTGAGA
GGAGCCTCCCGGACTGTACCCCTACCCCAACTCCATCAGCATCGATGCCGGTCCCGGCAGGCCCCCAA
GATTGCCAGATCAAGCGCAACCTCTCTATGGAGACAACAGCGACCCTGCCCTAGAGGCGTCCTCGCTG
CCCCACCCGACCCTGGCTCGAGACCTCTCCAGCTCCCAGCAGAGCCGGCACAGCCAGGGCCCTGCC
GCCGAGACGGCTACTGGTTCCTAAAGCTACTGCAGGCAGAAACAGAGCGGCTGGAAGGCTGGTGCTGCCA
GATGGACAAGGAGACAAAGAGAACAACCTCTCTGAAGAAGTCTTAGGAAAAGTCCTCAGTGCTGTGGGC
AGTGCCAGCTACTGATGTCCCAGAAATTCAGCAGTTCCGGGGCCTCTGTGAGCAAAACTTGAACCCTG
ATGCCAACCCACGCCCCACAGCCAGGACCTGGCAGGGTCTGGGACCTGCTACAGCTGTCCATCGAGGA
TATCAGCATGAAGTTCGATGAACTTACCACCTCAAGGCCAACAGCTGGCAGCTGGTGGAGACCCCGAG
AAGAGGAAGGAAGAGAAGAAACCACCCCTCCGGTCCCAAAGAAGCCAGCCAAATCCAAGCCGGCAGTGA
GCCGCGACAAGGCCTCAGACGCCAGCGACAAGCAGCGCCAGGAGGCCGCAAGAGACTCCTGGCGGCCAA
GCGGGCAGCTTCTGTGCGGCAGAACTCAGCCACCGAGAGCGCAGACAGCATCGAGATTTATGTCCCGGAG
GCCAGACCAGGCTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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_001042486.4](#)

RefSeq Size: 2982 bp

RefSeq ORF: 858 bp

Locus ID: 22839

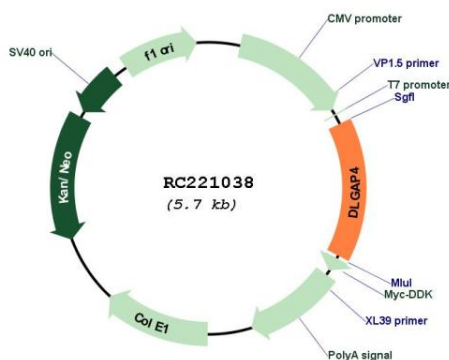
UniProt ID: [Q9Y2H0](#)

Cytogenetics: 20q11.23

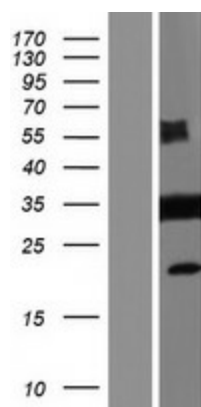
MW: 31.5 kDa

Gene Summary: The product of this gene is a membrane-associated guanylate kinase found at the postsynaptic density in neuronal cells. It is a signaling molecule that can interact with potassium channels and receptors, as well as other signaling molecules. The protein encoded by this gene can interact with PSD-95 through its guanylate kinase domain and may be involved in clustering PSD-95 in the postsynaptic density region. The encoded protein is one of at least four similar proteins that have been found. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

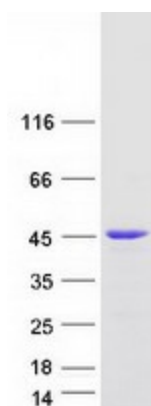
Product images:



Circular map for RC221038



Western blot validation of overexpression lysate (Cat# [LY420937]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221038 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DLGAP4 protein (Cat# [TP321038]). The protein was produced from HEK293T cells transfected with DLGAP4 cDNA clone (Cat# RC221038) using MegaTran 2.0 (Cat# [TT210002]).