

## Product datasheet for **RC234714**

### DLGAP1 (NM\_001242766) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DLGAP1 (NM_001242766) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DLGAP1
Synonyms:	DAP-1; DAP-1-ALPHA; DAP-1-BETA; DAP1; DLGAP1A; DLGAP1B; GKAP; SAPAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234714 representing NM\_001242766  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCTAATTTCCATAAAGACATTCTGTTGGCATTCCAGCTAATAAGGTTCCACAAGATGAATGGA  
 CAGGGTACACCCACAGGTAAAGATGATGAAATTCATGCCGAAGAATGCGGAGTGGCAGTTATATCAA  
 GGCCATGGGGATGAAGACAGTGGAGACTCAGACACGAGTCCTAAGCCTTCTCCAAAAGTTGCTGCGCGG  
 AGAGAAAGCTATCTCAAGGCTACTCAGCCATCCCTTACAGAACTCACCACACTCAAAATCTCCAATGAAC  
 ACTCACCCAAACTCCAGATCCGGAGTCATGTTACCTGAGGGCAGTGAAGTCTCCATCAACCCGGAG  
 CCTGGACAGCCTGGACCTGCAGGCTTGCTCACATCACAAAGTTCGGCTCCAGGAATGAGAGCTACATG  
 CGAGCCATGAGCACCATCAGCCAGGTGAGCGAGATGGAAGTGAACGGGCAGTTCGAGTCCGTGTGCGAGT  
 CCGTGTTACGCGAGCTGGAGTCGACGGCCGTGGAAGCGCTGGACCTGCCATGCCCGGCTGCTTCCGCAT  
 GCGGAGCCACAGCTATGTGCGGGCCATTGAGAAAGGCTGCTCCAGGACGACGAGTGCCTGTCCCTGAGG  
 TCGTCCTCGCCGCGCGCACACCACCACCGTTAGGACCATCCAGAGCAGCACGGGTGTCAAAAATGA  
 GTTCTGCAGTTGAAGTGTATCTTGCATTACAACATATAAGAAGACACCCTCCAGTCCCACCCAGAAC  
 TACCACGAAACCTTTCAATTTCTATCACAGCCAGAGTAGCACAGAGTCAAGCCAGGATGCCTACATGGAC  
 GGACAGGGCCAGCGAGGAGATATATCAGCCAGTCTGGACTCAGCAACTCCACCGAGAGCCTGGACAGTA  
 TGAAGGCTCTGACAGCCGCCATCGAAGCTGCAAACGCCAGATCCATGGCCCTGCCAGTCAACACATGGG  
 CAATAACACTGCCACCGTACCACCAGACTACCATAGCCACCGTACCACGGAGGACAGGAAGAAGGAC  
 CACTTTAAGAAAAATCGATGCCTGTCTATCGGGATACAGGTGGATGATGCTGAAGAACCTGACAAAACAG  
 GGGAGAAATAAGCACCCAGTAAGTTCAGTCCGTGGGAGTGAAGTGAAGAAGAGAAGTGTCTCCGCAG  
 GTTCACTCGATCCAACAGTGTGACGACAGCAGTACAGGCCGACCTGGACTTCCATGATAATCTGGAAAAT  
 TCTCTGGAATCTATAGAGGACAATTCGTGTCTGGCCCATGGCCAGACAGTTCTCCCGGATGCCAGCA  
 CCTCCACAGTCAGCATTAGGGCTCAGGAAACCATTACCATGCCTGTGCCGCGATGATGACTTTGACAC  
 GGATTTTGACCCCTCTATTCTGCCTCCTCCGACCCCTGGATTGACTCTATCACTGAAGACCCTCTGGAG  
 GCCGTGCAAAGGTCAGTGTGCCACCGGGATGGCCACTGGTTCCTGAAGCTTCTCCAGGCAGAGCGAGACC  
 GCATGGAGGGTGGTGTCAACAGATGGAGCGGGAAGAACGGGAAAACAACCTGCCGAAGACATTCTAGG  
 AAAATCCGAACCGCAGTGGGCAGTGCCAACTTCTCATGGCCAGAAATCTACCAGTTCAGAGAAGTCT  
 TGTGAAGAAAACCTGAATCCTAATGCTCATCAAGACCCACCTCCAGGATTTGGCGGGTTTTGGGACA  
 TGCTGCAGTTGCCATAGAAAATATTAGTATGAAATTTGATGAACTTCATCAGTTAAAGGCAATAATTG  
 GAAACAGATGGATCCTCTTGACAAGAAGGAGAGAAGGGCCCTCCTCCAGTGCCAAAAGAAGCCGGCGAAG  
 GGCCCCGCGCCGCTGATCCGGGAGCGCTCGCTGGAGAGCTCGCAGCGCCAGGAGGCCCGCAAGCGCTGA  
 TGGCCGCAAGCGCGCCGCTCCGTCCGCCAGAACTCGGCCACCGAGAGCGCCGAGAGCATCGAGATCTA  
 CATCCCCGAGGCGCAGACCCGGCTC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234714 representing NM\_001242766  
Red=Cloning site Green=Tags(s)

MNLIFHKDILFGIPANKVPQDEWTGYTPRGKDDEIPCRMRSGSYIKAMGDEDSGSDTSPKPSPKVAAR  
 RESYLKATQPSL TEL TTLKISNEHSPKLQIRSHSYLRVSEVSNRSLDLPAGLLTSPKFRSRNESYM  
 RAMSTISQVSEMEVNGQFESVCEVSFSELESQAVEALDLPMPGCFMRSHSYVRAIEKGCSDDECVSLR  
 SSSPPRTTTTTRTIQSSTGVIKLSSAVEVSSCITTYKTPPPVPPRTTTTKPFISITAQSSTESAQDAYMD  
 GQGQRGDIISQGLSNSTESLDSMKALTAIEAANAQIHGPASQHMGNNTATVTTTTIATVTTEDRKKD  
 HFKNRCLSIGIQVDDAEEPDKTGENKAPSKFQSVGVQVEEEKCFRRFTRSNSVTTAVQADLDFHNLNEN  
 SLESIEDNSCPGPMARQFSRDASTSTVSIQSGNHYHACAADDDFDTFDPSILPPDPWIDSITEDPLE  
 AVQRSVCHRDRGHWFLKLLQAERDRMEGWQCQMEREERENLPEDILGKIRTAVGSAQLLMAQKFYQFREL  
 CEENLNPNAPRPTSQDLAGFWDMLQLSIENISMKFDELHQLKANNWKQMDPLDKKERRAPPPVPKKPAK  
 GPAPLIRERSLESSQRQEARKRLMAAKRAASVRQNSATESAESIEIYIPEAQTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001242766

**ORF Size:** 2055 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\\_001242766.2](#)

**RefSeq Size:** 5301 bp

**RefSeq ORF:** 2058 bp

**Locus ID:** 9229

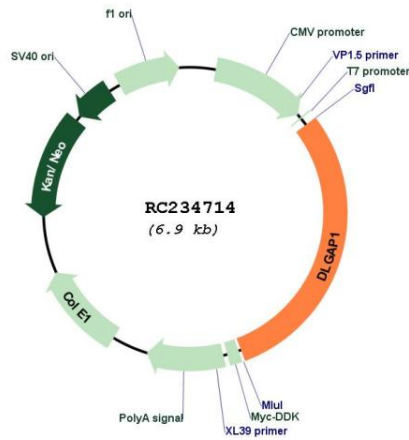
**UniProt ID:** [O14490](#)

**Cytogenetics:** 18p11.31

**MW:** 76.7 kDa

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

**Product images:**



Circular map for RC234714