

Product datasheet for **RC234665**

DLGAP1 (NM_001242762) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLGAP1 (NM_001242762) 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)



[View online »](#)

ORF Nucleotide
Sequence:

>RC234665 representing NM_001242762
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATTGAAGACATTA~~AAAACTGTTTAA~~TTCTCAGTTGAGATGTGGTTGGCTCTTATACATTTGGAATA
AAGCATTTATGGCACATCTCAGGGTTCCACAAGATGAATGGACAGGGTACACCCACGAGGTAAAGATGA
TGAAATCCATGCCGAAGAATGCGGAGTGGCAGTTATATCAAGGCCATGGGGATGAAGACAGTGGAGAC
TCAGACACGAGTCCTAAGCCTTCTC~~AAAAAGTTGCTGCGCGGAGAGAA~~GCTATCTCAAGGCTACTCAGC
CATCCCTTACAGA~~ACTCACCACACTCAA~~AATCTCCAATGAACACTCACCCAAACTCCAGATCCGGAGTCA
TAGTTACCTGAGGGCAGTGAAGTCTCCATCAACCGAGCCTGGACAGCCTGGACCTGCAGGCTTG
CTCACATACCAAAGTCCGCTCCAGGAATGAGAGCTACATGCGAGCCATGAGCACCATCAGCCAGGTGA
GCGAGATGGAAGTGAACGGGCAGTTCGAGTCCGTGTGCGAGTCCGTGTTACGCGAGCTGGAGTCGAGGC
CGTGGAAGCGCTGGACCTGCCATGCCCGCTGCTTCCGCATGCGGAGCCACAGCTATGTGCGGGCCATT
GAGAAAGGCTGCTCCAGGACGACGAGTGCCTGTCCTGAGGTCGTCTCGCCGCGCGCACCCACCA
CCGTTAGGACCATCCAGAGCAGCAGGCCCAGAGTAGCACAGAGTCAGCCAGGATGCCTACATGGACGG
ACAGGGCCAGCGAGGAGATATTACAGCCAGTCTGGACTCAGCAACTCCACCGAGAGCCTGGACAGTATG
AAGGCTCTGACAGCCGCCATCGAAGCTGCAAACGCCAGATCCATGGCCCTGCCAGTCAACACATGGGCA
ATAACTGCCACCGTACCACACGACTACCATAGCCACCGTACCACGGAGGACAGGAAGAAGGACCA
CTTTAAGAAAAATCGATGCCTGTCTATCGGGATACAGGTGGATGATGTGAAGAACCTGACAAAAAGGG
GAGAATAAAGCACCCAGTAAAGTCCAGTCCGTGGGAGTGAAGTGAAGAAGAGAAGTGCCTCCGCAGGT
TCACTCGATCCAACAGTGTGACGACAGCAGTACAGGCCGACCTGGACTTCCATGATAATCTGGAAAATTC
TCTGGAATCTATAGAGGACAATTCGTGTCTGGCCCATGGCCAGACAGTTCTCCCGCATGCCAGCACC
TCCACAGTCAGCATTAGGGCTCAGGAAACCATTACCATGCCTGTGCCGCGATGATGACTTTGACACGG
ATTTTGACCCCTCTATTCTGCCTCCTCCGGACCCCTGGATTGACTCTATCACTGAAGACCTCTGGAGGC
CGTGCAAAGGTCAGTGTGCCACCGGGATGGCCACTGGTTCCTGAAGCTTCTCCAGGCAGAGCGAGACCGC
ATGGAGGGGTGGTGTCAACAGATGGAGCGGAAGAACGGGAAAACAACCTGCCGAAGACATTCTAGGAA
AAATCCGAACCGCAGTGGCAGTGCCAACTTCTCATGGCCAGAAATCTACCAGTTCAGAGAACTGTG
TGAAGAAAACCTGAATCCTAATGCTCATCAAGACCCACCTCCAGGATTTGGCGGGTTTTGGGACATG
CTGCAGTTGTCCATAGAAAATATTAGTATGAAATTTGATGAACTTCATCAGTTAAAGGCCAATAATTGGA
AACAGATGGATCCTCTTGACAAGAAGGAGAGAAGGGCCCTCCTCCAGTGCCAAAGAAGCCGGCGAAGGG
CCCCGCGCGCTGATCCGGGAGCGCTCGCTGGAGAGCTCGCAGCGCCAGGAGGCCCAAGCGCCTGATG
GCCGCAAGCGCGCCGCTCCGTCCGCCAGAACTCGGCCACCGAGAGCGCCGAGAGCATCGAGATCTACA
TCCCCGAGGCGCAGACCCGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234665 representing NM_001242762
Red=Cloning site Green=Tags(s)

```
MDLKTLKLFNSQLRCGWLLYIWNKAFMAHLRVPQDEWTGYTPRGKDDEIPCRMRSYIKAMGDEDSGD
SDTSPKPSPKVAARRESYLKATQPSL TELTTLKISNEHSPKLQIRSHSYLRVSEVSINRSLDSLDPAGL
LTSPKFRSRNESYMRAMSTISQVSEMEVNGQFESVCEVSESESQAVEALDLPMPGCFMRSHSYVRAI
EKGCSQDDECVSLRSSSPRRTTTTVRTIQSSTAQSSTESAQDAYMDGQGQRGDIISQGLNSTESLDSM
KALTA AIEAANAQIHGPASQHMGNNTATVTTTTIATVTTEDRKKDHFKNRCLSIGIQVDDAEEPDKTG
ENKAPSKFQSVGVQVEEEKFRFRFRSNSVTTAVQADLDFHDNLENSLESIEDNSCPGPMARQFSRDAST
STVSIQSGSNHYHACAADDDFDTFDPSILPPDPWIDSITEDPLEAVQRSVCHRDPGHWFLKLLQAERDR
MEGWCCQMEREERENLPEDILGKIRTA VGS AQLLMAQKFYQFRELCEENLNPNAHPRPTSQDLAGFWM
LQLSIENISMKFDLHQLKANNWKQMDPLDKKERRAPPPVPKPAKGPAPLIRERSLESSQRQEARKRLM
AAKRAASVRQNSATESAESIEIYIPEAQTRL
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001242762

ORF Size: 1983 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_001242762.2](#)

RefSeq Size: 5214 bp

RefSeq ORF: 1986 bp

Locus ID: 9229

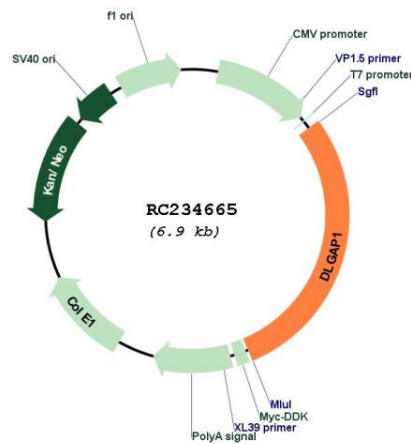
UniProt ID: [O14490](#)

Cytogenetics: 18p11.31

MW: 74.5 kDa

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

Product images:



Circular map for RC234665