

Product datasheet for **RC234712**

DLGAP1 (NM_001242764) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLGAP1 (NM_001242764) 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:

>RC234712 representing NM_001242764
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCGACCTTTTTAAGGCTGAGTGGGTTTCTCAGTTTGTGTGCAAGTTTCAAGAAATGGAAGGACTG
 ACCAGGTTCCACAAGATGAATGGACAGGGTACACCCACGAGGTAAGATGATGAAATCCATGCCGAAG
 AATGCGGAGTGGCAGTTATATCAAGCCATGGGGATGAAGACAGTGGAGACTCAGACACGAGTCCTAAG
 CCTTCTCCAAAAGTTGCTGCGCGGAGAGAAAGCTATCTCAAGGCTACTCAGCCATCCCTTACAGAACTCA
 CCACACTCAAAATCTCCAATGAACACTACCCAACTCCAGATCCGGAGTCATAGTTACCTGAGGGCAGT
 GAGTGAAGTCTCCATCAACCGAGCCTGGACAGCCTGGACCCTGCAGGCTTGCTCACATCACAAAGTTC
 CGTCCAGGAATGAGAGTACATGCGAGCCATGAGCACCATCAGCCAGGTGAGCGAGATGGAAGTGAACG
 GGCAGTTCGAGTCCGTGTCGAGTCCGTGTTGAGCGAGCTGGAGTCGAGGCCGTTGGAAGCGCTGGACCT
 GCCATGCCCGGCTGCTCCGCATGCGGAGCCACAGCTATGTGCGGGCCATTGAGAAAGGCTGCTCCAG
 GAGCAGAGTGCCTGTCCTGAGGTCGTCCTCGCCGCGCACCACCACCCTTAGGACCATCCAGA
 GCAGCACGGTGTATCTTGCATTACAACATATAAGAAGACACCACCTCCAGTCCCACCCAGAAGTACCAC
 GAAACCTTTTATTTCTATCACAGCCAGAGTAGCACAGAGTCAGCCAGGATGCCTACATGGACGGACAG
 GGCCAGCGAGGAGATATTATCAGCCAGTCTGGACTCAGCAACTCCACCGAGAGCCTGGACAGTATGAAGG
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 AAGAAAAATCGATGCCTGTCTATCGGGATACAGGTGGATGATGCTGAAGAACCTGACAAAACAGGGGAGA
 ATAAAGCACCCAGTAAGTCCAGTCCGTGGGAGTGAAGTGAAGAAGAGAAGTGTCCGAGGTTCCAC
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 CAGTCAGCATTAGGGCTCAGGAAACCATTACCATGCCTGTGCCGCGATGATGACTTTGACACGGATTT
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 CAAAGGTCAGTGTGCCACCGGATGGCCACTGGTTCTGAAGCTTCTCCAGGCAGAGCGAGACCGCATGG
 AGGGGTGGTGTCAACAGATGGAGCGGGAAGAACGGGAAAACAACCTGCCGAAGACATTCTAGGAAAAAT
 CCGAACCGCAGTGGCAGTGCCTCACTTCTCATGGCCAGAAATCTACCAGTTCAGAGAACTGTGTGAA
 GAAAACCTGAATCCTAATGCTCATCCAAGACCCACCTCCAGGATTTGGCGGGTTTTGGGACATGCTGC
 AGTTGTCCATAGAAAATATTAGTATGAAATTTGATGAACTTCATCAGTTAAAGGCCAATAATTGGAACA
 GATGGATCCTCTTGACAAGAAGGAGAGAAGGGCCCTCCTCCAGTGCCAAAGAAGCCGGGGAAGGGCCCC
 GCGCCGCTGATCCGGGAGCGCTCGCTGGAGAGCTCGCAGCGCCAGGAGGCCCGCAAGCGCCTGATGGCCG
 CCAAGCGCGCCGCTCCGTCCGCCAGAACTCGGCCACCAGAGCGCCGAGAGCATCGAGATCTACATCCC
 CGAGGGCAGACCCGGCTC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234712 representing NM_001242764
Red=Cloning site Green=Tags(s)

MIDL FKA EWSSVCVQVSRNGRTDQVPQDEWGTGYPGRKDDEIPCRMRMRSGSYIKAMGDEDSGSDTSPK
 PSPKVAARRESYLKATQPSL TEL TTLKI SNEHSPKLQIRSHSYLRVSEVSINRSLDSLDPAGLLTSPKF
 RSRNESYMRAMSTISQVSEMEVNGQFESVCEVFSELESQAVEALDLPMPGCFMRSHSYVRAIEKGCSQ
 DDECVSLRSSSPRRTTTTVRTIQSSTVSSCITTYKTPPPVPPRTTTTKPFISITAQSSTESAQDAYMDGQ
 GQRGDIISQGLSNSTESLDSMKALTAIEAANAQIHGPASQHMGNNTATVTTTTIATVTTEDRKKDHF
 KKNRCLSIGIQVDDAEEPDKTGENKAPSKFQSVGVQVEEEKCFRRFTRNSVTTAVQADLDFHDNLENSL
 ESIEDNSCPGPMARQFSRDASTVSIQSGNHYHACAADDDFDTFDPSILPPDPWIDSITEDPLEAV
 QRSVCHRDRGHWFLKLLQAERDRMEGWCQMQEREERENLPEDILGKIRTAVGSAQLLMAQKFYQFRELCE
 ENLNPNAHPRPTSQDLAGFWDMLQLSIENISMKFDELHQLKANNWKQMDPLDKKERRAPPVPPKPAKGP
 APLIRERSLESSQRQEARKRLMAAKRAASVRQNSATESAESIEIYIPEAQTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001242764

ORF Size: 2049 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_001242764.2](#)

RefSeq Size: 5244 bp

RefSeq ORF: 2052 bp

Locus ID: 9229

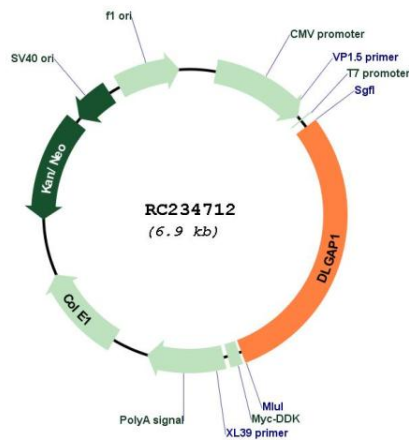
UniProt ID: [O14490](#)

Cytogenetics: 18p11.31

MW: 76.6 kDa

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

Product images:



Circular map for RC234712