

Product datasheet for **RG234599**

DLGAP1 (NM_001242765) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLGAP1 (NM_001242765) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DLGAP1
Synonyms:	DAP-1; DAP-1-ALPHA; DAP-1-BETA; DAP1; DLGAP1A; DLGAP1B; GKAP; SAPAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234599 representing NM_001242765
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCTAATTTCCATAAAGACATTCTGTTGGCATTCCAGCTAATAAGGTTCCACAAGATGAATGGA
 CAGGGTACACCCACAGGTAAAGATGATGAAATTCATGCCAAGAATGCGGAGTGGCAGTTATATCAA
 GGCCATGGGGATGAAGACAGTGGAGACTCAGACACGAGTCTAAGCCTTCTCCAAAAGTTGCTGCGCGG
 AGAGAAAGCTATCTCAAGGCTACTCAGCCATCCCTTACAGAACTCACCACACTCAAAATCTCCAATGAAC
 ACTCACCCAACTCCAGATCCGGAGTCATGTTACCTGAGGGCAGTGAAGTCTCCATCAACCCGGAG
 CCTGGACAGCCTGGACCTGCAGGCTTGCTCACATCACAAAGTTCGGCTCCAGGAATGAGAGCTACATG
 CGAGCCATGAGCACCATCAGCCAGGTGAGCGAGATGGAAGTGAACGGGCAGTTCGAGTCCGTGTGCGAGT
 CCGTGTTACGCGAGCTGGAGTCGACGGCCGTGGAAGCGCTGGACCTGCCATGCCCGGCTGCTCCGCAT
 GCGGAGCCACAGCTATGTGCGGGCCATTGAGAAAGGCTGCTCCCAGGACGACGAGTGCCTGTCCCTGAGG
 TCGTCCTCGCCGCGCGCACACCACCACCGTTAGGACCATCCAGAGCAGCACGGTGTCTCTTGCAATTA
 CAACATATAAGAAGACACCACCTCCAGTCCCACCAGAATACCACGAAACCTTTTCAATTTCTATCACAGC
 CCAGAGTAGCACAGAGTCAAGCCAGGATGCCTACATGGACGGACAGGGCCAGCGAGGAGATATTACAGC
 CAGTCTGGACTCAGCAACTCCACCGAGAGCCTGGACAGTATGAAGGCTCTGACAGCCGCCATCGAAGCTG
 CAAACGCCAGATCCATGGCCCTGCCAGTCAACACATGGGCAATAACACTGCCACCGTACCACCACGAC
 TACCATAGCCACCGTACCACGGAGGACAGGAAGAAGGACCCTTTAAGAAAAATCGATGCCTGTCTATC
 GGGATACAGGTGGATGATGCTGAAGAACCTGACAAAACAGGGGAGAATAAAGCACCAGTAAAGTCCAGT
 CCGTGGGAGTCAAGTAGAAGAAGAGAAGTCTCCGACAGTCTCACTCGATCCAACAGTGTGACGACAGC
 AGTACAGGCCGACCTGGACTTCCATGATAATCTGGAAAAATCTCTGGAATCTATAGAGGACAATTCGTGT
 CCTGGCCCATGGCCAGACAGTCTCCCGCATGCCAGCACCTCCACAGTCAAGTTCAGGGCTCAGGAA
 ACCATTACCATGCCTGTGCCCGCATGATGACTTTGACACGGATTTTGACCCCTCTATTCTGCCTCCTCC
 GGACCCCTGGATTGACTCTATCACTGAAGACCCTCTGGAGGCCGTGCAAAGGTCAGTGTGCCACCGGGAT
 GGCCACTGGTTCTGAAGCTTCTCAGGCAGAGCGAGACCGCATGGAGGGGTGGTGTCAACAGATGGAGC
 GGAAGAACGGGAAAACAACCTGCCGAAGACATTCTAGGAAAAATCCGAACCGCAGTGGCAGTGGCCA
 ACTTCTCATGGCCAGAAATCTACCAGTTCAGAGAACTGTGTGAAGAAAACCTGAATCCTAATGCTCAT
 CCAAGACCACCTCCAGGATTTGGCGGGTTTTGGGACATGCTGCAGTGTCCATAGAAAAATATTAGTA
 TGAATTTGATGAACTTCATCAGTTAAAGGCCAATAATTGAAAACAGATGGATCCTCTTGACAAGAAGGT
 AGAAACATGTAGATTTGTATGGTTCATTTAAAAACCTGCACAAACACTGGACAGTCTAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234599 representing NM_001242765
 Red=Cloning site Green=Tags(s)

MNLIFHKDILFGIPANKVPQDEWTGYTPRGKDDEIPCRMRSGSYIKAMGDEDSGSDTSPKPSPKVAAR
 RESYLKATQPSL TEL TTKLISNEHSPKLIQIRSHSYLRVSEVSIINRSLDSLDPAGLL TSPKFRSRNESY
 RAMSTISQVSEMEVNGQFESVCEVSELESQAVEALDLPMPGCFMRSHSYVRAIEKGCSDDECVSLR
 SSSPPRTTTTVRTIQSSTVSSCITTYKKTTPPVPPRTTTKPFISITAQSSTESAQDAYMDGQGRDIIIS
 QGLSNSTESLDSMKAL TAAIEAANAQIHGPASQHMGNNTATVTTTTIATVTTEDRKKDHFKNRCLSI
 GIQVDDAEEPDKTGENKAPSKFQSVGVQVEEEKCFRRF TRSNSVTAVQADLDFHDNLENSLESIEDNSC
 PGPMAQF SRDASTSTVSIQSGNHYHACAADDDFDTFDPSILPPPDPWIDSITEDPLEAVQRSVCHRD
 GHWFLKLLQAERDRMEGWCCQMEREREENLPEDILGKIRTAVGSAQLLMAQKFYQFRELCEENLPNAH
 PRPTSQDLAGFWDMLQLSIENISMKFDELHQLKANNWKQMDPLDKKVEQCRFCMVHLKTCNTGQSK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001242765

ORF Size: 1881 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_001242765.1](#), [NP_001229694.1](#)

RefSeq Size: 2253 bp

RefSeq ORF: 1884 bp

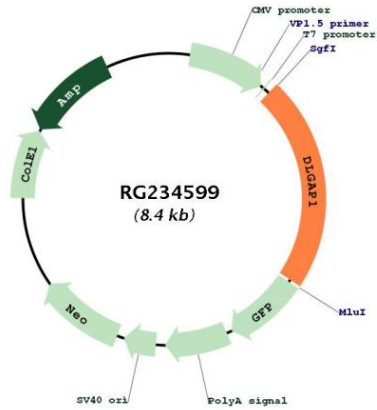
Locus ID: 9229

UniProt ID: [O14490](#)

Cytogenetics: 18p11.31

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

Product images:



Circular map for RG234599