

Product datasheet for **RG234665**

DLGAP1 (NM_001242762) Human Tagged ORF Clone

Product data:

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

>RG234665 representing NM_001242762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTGAAGACATTA~~AAAACTGTTTAA~~TTCTCAGTTGAGATGTGGTTGGCTCTTATACATTTGGAATA
 AAGCATTTATGGCACATCTCAGGGTTCCACAAGATGAATGGACAGGGTACACCCACGAGGTAAAGATGA
 TGAAATTCATGCCGAAGAATGCGGAGTGGCAGTTATATCAAGGCCATGGGGATGAAGACAGTGGAGAC
 TCAGACACGAGTCTAAGCCTTCTC~~AAAAAGTTGCTGCGCGGAGAGAA~~GCTATCTCAAGGCTACTCAGC
 CATCCCTTACAGA~~ACTCACCACACTCAA~~AATCTCCAATGAACACTCACCCAAACTCCAGATCCGGAGTCA
 TAGTTACCTGAGGGCAGTGAAGTCTCCATCAACCGGAGCCTGGACAGCCTGGACCTGCAGGCTTG
 CTCACATACCAAAGTCCGCTCCAGGAATGAGAGCTACATGCGAGCCATGAGCACCATCAGCCAGGTGA
 GCGAGATGGAAGTGAACGGGCAGTTCGAGTCCGTGTGCGAGTCCGTGTTACGCGAGCTGGAGTCGAGGC
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 GAGAAAGGCTGCTCCAGGACGACGAGTGCCTGTCCTGAGGTCGTCTCGCCGCGCGCACCCACCA
 CCGTTAGGACCATCCAGAGCAGCAGGCCAGAGTAGCACAGAGTCAGCCAGGATGCCTACATGGACGG
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 CTTTAAGAAAAATCGATGCCTGTCTATCGGGATACAGGTGGATGATGTGAAGAACCTGACAAAACAGGG
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 TCACTCGATCCAACAGTGTGACGACAGCAGTACAGGCCGACCTGGACTTCCATGATAATCTGGAAAATTC
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 CGTGCAAAGGTCAGTGTGCCACCGGGATGGCCACTGGTTCCTGAAGCTTCTCCAGGCAGAGCGAGACCGC
 ATGGAGGGGTGGTGTCAACAGATGGAGCGGAAGAACGGGAAAACAACCTGCCGAAGACATTCTAGGAA
 AAATCCGAACCGCAGTGGCAGTGCCCAACTTCTCATGGCCAGAAATTTACCAGTTTACAGAACTGTG
 TGAAGAAAACCTGAATCCTAATGCTCATCAAGACCCACCTCCAGGATTTGGCGGGTTTTGGGACATG
 CTGCAGTTGTCCATAGAAAATATTAGTATGAAATTTGATGAACTTCATCAGTTAAAGGCCAATAATTGGA
 AACAGATGGATCCTCTTGACAAGAAGGAGAGAAGGGCCCTCCTCCAGTGCCAAAGAAGCCGGCGAAGGG
 CCCC~~GCGCGCTGATCCGGGAGCGCTCGCTGGAGAGCTCGCAGCGCCAGGAGCCGCAAGCGCCTGATG~~
 GCCGCAAGCGCGCCGCTCCGTCCGCCAGA~~ACTCGGCCACCGAGAGCGCCGAGAGCATCGAGATCTACA~~
 TCCCCGAGGCGCAGACCCGGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234665 representing NM_001242762
 Red=Cloning site Green=Tags(s)

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MDLKTLKLFNSQLRCGWLLYIWNKAFMAHLRVPQDEWTGYTPRGKDDEIPCRMRSYIKAMGDEDSGD
SDTSPKPSPKVAARRESYLKATQPSL TEL TTKLISNEHSPKLQIRSHSYLRVSEVSNRSLDSLDPAGL
LTSPKFRSRNESYMRAMSTISQVSEMEVNGQFESVCEVSESESQAVEALDLPMPGCFMRSHSYVRAI
EKGCSDDEECVSLRSSSPRRTTTTVRTIQSSTAQSSTESAQDAYMDGQQRGDIISQGLSNSTESLDSM
KALTAIEAANAQIHGPASQHMGNNTATVTTTTIATVTTEDRKKDHFKNRCLSIGIQVDDAEEPDKTG
ENKAPSKFQSVGVQVEEEKFRFRFRSNSVTTAVQADLDFHDNLENSLESIEDNSCPGPMARQFSRDAST
STVSIQGSNGHYHACAADDDFDTFDPSILPPDPWIDSITEDPLEAVQRSVCHRDPGHWFLLKLLQAERDR
MEGWCCQMEREERENLPEDILGKIRTAGVSAQLLMAQKFYQFRELCEENLNPNAHPRPTSQDLAGFWM
LQLSIENISMKFDLHQLKANNWKQMDPLDKKERRAPPPVPKPAKGPAPLIRERSLESSQRQEARLRL
AAKRAASVRQNSATESAESIEIYIPEAQTRL
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TRTRPLE - GFP Tag - V

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

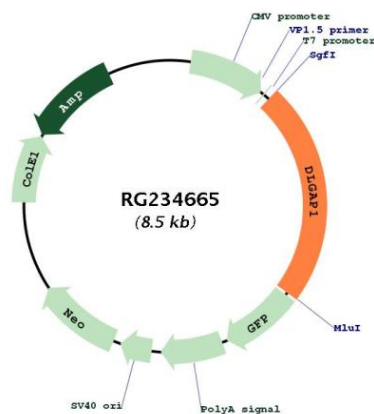
Locus ID: 9229

UniProt ID: [O14490](#)

Cytogenetics: 18p11.31

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

Product images:



Circular map for RG234665