

Product datasheet for **RG234714**

DLGAP1 (NM_001242766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLGAP1 (NM_001242766) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG234714 representing NM_001242766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCTAATTTCCATAAAGACATTCTGTTGGCATTCCAGCTAATAAGGTTCCACAAGATGAATGGA
 CAGGGTACACCCACGAGGTAAAGATGATGAAATTCATGCCGAAGAATGCGGAGTGGCAGTTATATCAA
 GGCCATGGGGATGAAGACAGTGGAGACTCAGACACGAGTCCTAAGCCTTCTCCAAAAGTTGCTGCGCGG
 AGAGAAAGCTATCTCAAGGCTACTCAGCCATCCCTTACAGAACTCACCACACTCAAAATCTCCAATGAAC
 ACTCACCCAAACTCCAGATCCGGAGTCATGTTACCTGAGGGCAGTGAAGTCTCCATCAACCCGGAG
 CCTGGACAGCCTGGACCTGCAGGCTTGCTCACATCACAAAGTTCGGCTCCAGGAATGAGAGCTACATG
 CGAGCCATGAGCACCATCAGCCAGGTGAGCGAGATGGAAGTGAACGGGCAGTTCGAGTCCGTGTGCGAGT
 CCGTGTTACGCGAGCTGGAGTCGACGGCCGTGGAAGCGCTGGACCTGCCATGCCCGGCTGCTTCCGCAT
 GCGGAGCCACAGCTATGTGCGGGCCATTGAGAAAGGCTGCTCCAGGACGACGAGTGCCTGTCCCTGAGG
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 GTTCTGCAGTTGAAGTGTATCTTGCATTACAACATATAAGAAGACACCCTCCAGTCCCACCCAGAAC
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 GGATTTTGACCCCTCTATTCTGCCTCCTCCGACCCCTGGATTGACTCTATCACTGAAGACCCTCTGGAG
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 GCATGGAGGGTGGTGTCAACAGATGGAGCGGGAAGAACGGGAAAACAACCTGCCGAAGACATTCTAGG
 AAAATCCGAACCGCAGTGGGCAGTGCCAACTTCTCATGGCCAGAAATCTACCAGTTCAGAGAAGTGG
 TGTGAAGAAAACCTGAATCCTAATGCTCATCAAGACCCACCTCCAGGATTTGGCGGGTTTTGGGACA
 TGCTGCAGTTGCCATAGAAAATATTAGTATGAAATTTGATGAACTTCATCAGTTAAAGGCAATAATTG
 GAAACAGATGGATCCTTTGACAAGAAGGAGAGAAGGGCCCTCCTCCAGTGCCAAAAGAAGCCGGCGAAG
 GGCCCCGCGCCGCTGATCCGGGAGCGCTCGCTGGAGAGCTCGCAGCGCCAGGAGGCCCGCAAGCGCCTGA
 TGGCCGCAAGCGCGCCGCTCCGTCCGCCAGAACTCGGCCACCGAGAGCGCCGAGAGCATCGAGATCTA
 CATCCCCGAGGCGCAGACCCGGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234714 representing NM_001242766
 Red=Cloning site Green=Tags(s)

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MNLIFHKDILFGIPANKVPQDEWTGYTPRGKDDEIPCRMRSGSYIKAMGDEDSGSDTSPKPSPKVAAR
RESYLKATQPSL TEL TTLKISNEHSPKLQIRSHSYLRVSEVSI NRSLDSDLPAGLLTSPKFRSRNESYM
RAMSTISQVSEMEVNGQFESVCEVSFSELESQAVEALDLPMPGCFMRSHSYVRAIEKGCSQDDECVSLR
SSSPRRTTTTVRTIQSSTGVIKLSSAVEVSSCITTYKTPPPVPPRTTTTKPFISITAQSSTESAQDAYMD
GQGQRGDIISQGLSNSTESLDSMKALTA AIEAANAQIHGPASQHMGNNTATVTTTTTIATVTTEDRKKD
HFKNRCLSIGIQVDDAEEPDKTGENKAPSKFQSVGVQVEEEKCFRRFTRSNSVTTAVQADLDFHONLEN
SLESIEDNSCPGPMARQFSRDASTSTVSIQSGNHYHACAADDDFDTFDPSILPPDPWIDSITEDPLE
AVQRSVCHRDRGHWFLKLLQAERDRMEGWCCQMEREEENLPEDILGKIRTAVGSAQLLMAQKFYQFREL
CEENLNPNNAHPRPTSQDLAGFWDMLQLSIENISMKFDELHQLKANNWKQMDPLDKKERRAPPVPKPKPAK
GPAPLIRERSLESSQRQEARKRLMAAKRAASVRQNSATESAESIEIYIPEAQTRL
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TRTRPLE - GFP Tag - V

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

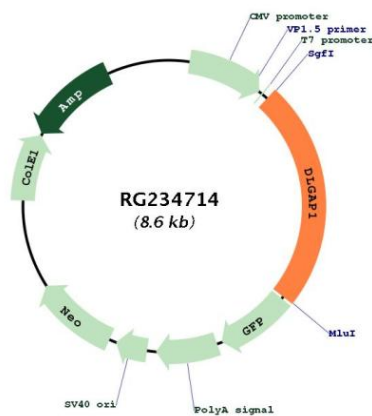
Locus ID: 9229

UniProt ID: [O14490](#)

Cytogenetics: 18p11.31

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

Product images:



Circular map for RG234714