

Product datasheet for **RG235046**

DLGAP1 (NM_001242761) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLGAP1 (NM_001242761) 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:

>RG235046 representing NM_001242761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGGGCTATCAGGCAGCCGACCCATCACCACGGGGTCACCTGCGACTCGGCTGTGACTCGCTGT
 CGCACCACTCCGACCGCAAGCCCTACCTGCTGAGCCAGTGGAGCACCACCCGAGACCCATACTA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG235046 representing NM_001242761
Red=Cloning site Green=Tags(s)

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MKGLSGSRSHHHGVTCD SACDSL SHHSDRKP YLLSPVEHHPADHPY YTQRNSFQAECVGPFS DPLASSTF
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LVHSVQKLF TKSHSLEGPSKGSVNGGKASPDEAQAARYGKR SKSKERRAEPKARPSTSPGWSSDDNLDG
DMCIYHAPSGVMTMGRC PDRSASQYFLEAYNTISEQAVKASRSNNDVKCSTCANLPVSLDTPLLKKS AWA
STLTVSRAREVYQKASVNM DQAMVKSESCQQRSCQYLQVPQDEW TGYTPRGKDDEIPCRMRSGSYIKA
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DSLDPAGLLTSPKFRSRNESYMRAMSTISQVSEMEVNGQFESVCE SVFSELESQAVEALDLPMPGCFRMR
SHSYVRAIEKGC SQDDECVLSRSSPRTTTTTV RTIQSSTVSSCITTYKKT PPPVPPRTTTKPFISIT AQ
SSTESAQDAYMDGQGQRGDIISQ SGLSNSTESLDSMKAL TAAIEAANAQIHGPASQHMGNNTATVTTTTT
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PWIDSITEDPLEAVQRSVCHRDGHWFLKLLQAERDRMEGW CQQMEREERENNL PEDILGKIRTAVGSAQL
LMAQKFYQFRELCEENLNPNAHPRPTSQDLAGFW DMLQLSIENI SMKFDELHQLKANNWKQMDPLDKKVE
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TRTRPLE - GFP Tag - V

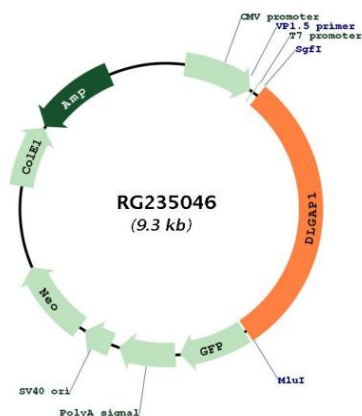
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242761

ORF Size:	2787 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:	<ol style="list-style-type: none"> 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_001242761.1 , NP_001229690.1
RefSeq Size:	3610 bp
RefSeq ORF:	2790 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 RG235046