

Product datasheet for **SC318428**

DLGAP1 (NM_004746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLGAP1 (NM_004746) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLGAP1
Synonyms:	DAP-1; DAP-1-ALPHA; DAP-1-BETA; DAP1; DLGAP1A; DLGAP1B; GKAP; SAPAP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004746 edited
 CTCTCCTCCTCCGAGGCTCGTGGGACCAACGGACGGACGCGAGCCAGCGAGGGCCGGACT
 CGGGGACGCGGCCAGAGCAGTTGAACATCAGATACCCAGAGTGACATCAGGTTAAAAAAA
 AGCCTGCAATTTGGATCTTTTCCTGACTCGGAAGCAAGGAAAATGGACAATTGATAATCA
 AAGGCTAAATCTCTTCTGGGATCCACTGAATGCCACTAGAGGGTCTGCTCGAGAGAAATTC
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ACCTGAGGGCAGTGAGTGAAGTCTCCATCAACCGGAGCCTGGACAGCCTGGACCCCTGCAG
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CTGGAATGTAATCACTAGCATATCTGAATCCCAAATGTAATTTTTAAAAATTATTTTG
GTTTGGAAAAAAAAGATTCATTTGAAAGCCTTCAGATGGAGGGGTGGGAACATTTTATG
GCTTTATGAATTGGAATTCATAGGCTTATTTACCTAGATTGTGTGTGAACAAAAAATA
TTGTAATAAGATGAATGTTTCCATAATGTA AAAAGAAGAAATTAATAAAATAATTAATG
CACTGCTAAAAAAAAAAAAAAAAAAAAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_004746

Insert Size:

6628 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_004746.2 , NP_004737.2
RefSeq Size:	6628 bp
RefSeq ORF:	2934 bp
Locus ID:	9229
UniProt ID:	O14490
Cytogenetics:	18p11.31
Domains:	GKAP
Gene Summary:	<p>Part of the postsynaptic scaffold in neuronal cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest variant and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>