

Product datasheet for **SC303526**

DLGAP2 (NM_004745) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	DLGAP2
Synonyms:	DAP2; SAPAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC303526 representing NM_004745.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGGCCTTTCCGGAAGTCGGACCCAGCCGCGCTGTGTTCCGGGCACACGTGTGGTCTGGCGCCC
CCGGAGGACTGCGAGCACCTGCACACGGGCCGACGCGCGGCCGCCCTACCTGCTGAGCCCCGCCGAC
AGCTGCCCCGGGGGCGCCACCGCTGCTCGCCGCGCAGCTCGGTGCACTCGGAGTGCGTGATGATGCCG
GTGGTGCTGGGCGACCACTGTCCAGCAGACCTTCCCGGGATGCACTACAGCTCGCACTACGACACG
CGCGACGACTGCGCTGTGGCCACGCGGGCGCAAGATCAACCGCATCCCGGCAACCTGCTGGACACG
TTCGAGAAGCAGCTGCCGCTGCACCGGGACGGCTTCCACACGCTGCAGTACCAGAGGACGTCCGCGGCC
GCCGAGCAGCGCAGCAGAGAGCCCGGGCGGATCCGCCACCTGGTACACTCCGTGCAGAAGCTCTTCACC
AAGTCGCACTCGCTGGAGGGCTCCTCCAAAAGCAACGCCAACCGGCACCAAGGCGGACGCGCGGGCGGAC
GACCACCACACGCCCACCACGCCAAGCACAGCAAGAGGAGCAAGAGCAAGGAGCGCAAGCCGGAGGGC
AAGCCCCGGCCCGCATGAGCAGCTGGTGGAGCTCGGACGACAACCTGGACAGCGACAGCACCTATCGG
ACGCCCAGCGTGCTCAACCGGCACCACTGGGCCCCGTGGGCCACTGCTACCCGACGCGCTGCAGAGC
CCCTTCGGGGACCTGTCCCTCAAGACCTCCAAGAGCAACAACGACGTCAAGTGCTCGGCCTGTGAGGGG
TTGGCGCTGACGCCCGACGCCAAGTACCTGAAGCGCAGCTCCTGGTCTACGCTGACGGTCAAGCAGGCC
AAGGAGGCTACCGCAAGAGCTCGCTGAACCTGGACAAGCCGCTGCTGCACAGGACGCCAAGCCCGCC
CTGAGGCCGTGCCACTACCTCCAGGTACCTCAGGATGAGTGGGAGGGTACCCACCGGTGGCAAGAT
GAGGAGATTCCCTGCAGGAGAATGAGAAGTGGGAGTTACATTAAGCCATGGGGGACGAGGAGAGCGGA
GAGTCAGACTCCAGCCCCAAGACATCACAAAGTCGGCAATCCTACCAGAGCCGCTGCTGAAGTCCATC
GGACAGAGACCGCTTGGAGAGCAGCAGCCAGACCTACCTGCAAGCTGCAAGCGATGTGCTGTGGGA
CACAGCTGGACCCCGCTGCGAACTACAACCTCCCGAAATTCGCTCCCGGAACAGAGCTACATGAGG
GCCGTGAGCACCCTGAGCCAGGCCAGCTGCGTGAGCCAGGTGAGCGAGGCGGAGATCAATGGGAATTC
GAGTCCGTGTGCGAGTCCGTCTTCACTGAAGTTGAATCTCAGGCCATGGATGCCCTCGACCTCCCGGGA
TGTTTCCGAACAAGGAGTCACAGCTACCTTCGAGCCATTCAAGCCGGCTACTCCCAAGATGACGAATGT
ATTCCCATGATGACACCCTCTGACATCACCTCCACCATCAGGTCAACAGCAGCTGTCTCATATACAAAT
TACAAGAAAACGCCCCACCGGTGCCCTCGGACCACCTCCAAGCCTCTGATCTCGGTGACGGCGCAG
AGCAGCACCGAATCCACCCAGGACGCTACCAGGACAGCCGCGCACAGAGGATGTCCCGTGGCCCCAG
GACAGCCGCGGCTCTACAACCTCCAGGACAGCTGGACAGCAACAAGGCCATGAACCTCGCGCTGGAA
ACGGCCGCTGCCAGCGCCACCTGCCAGAGAGCCAGAGCAGCTCTGTGCGGACAGCGACAAGGCCATC
CTGGTGTCGAAGGCGGAGGAGCTCTCAAGAGCCGCTGCTCCTCCATCGGGATTGAGGATTCTGAATTC
CCAGAGCATCAGCCATACCCAGGTGAGTGGAAGCGGCCACAGATTCTGACACGGAGAGCCGCGGT
CTGCGGGAATACCACTCTGTGCGGGTGCAAGTGGAAGATGAGAAGCGACACGGACGTTTAAACGTTCT
AACAGCGTCACGGCCGCGTCCAAGCTGACCTGGAGCTGGAGGGGTTCCAGGCCACATCACCCAGGAG
GACAAAGGCCCTTCAAGTTCGGCTCATCCTTCCAGCGGCACTCCGAGCCAGCACCCCCACCAAGTACAGC
GCGGTGAGAACTGTACGGACCCAGGGGCTCTTCACTATAGAGAAGACTATCGGACCCAAGTGACACC
TCCACCCTGCCCTCCAGACCCTGGCTGGAGCCGCCATCGACACGGTAGAGACTGGGAGGATGTCT
CCGTGCCGACGGGATGGCTCGTGTTTGAAGCTGCTGCACGACAGAGCAAGAGGATGGAAGGCTGG
TGCAAGAGATGGAGAGAGAGGCGGAGGAGAAACGACCTCTCGGAGGAAATTCGCGTAAATCAGGAGT
GCTGTTGGGAGTGCCAGCTTCTATGTCCAGAAATCCAGCAGTTTATTGGCTTTGCCAACAGAAT
ATGGACCCAGCGCCATGCCAGGCCGACGTCGAGGACCTGGCCGGCTACTGGGACATGCTGCAGCTC
TCCATTGAGGACGTCAGCATGAAGTTCGACGAGCTGCAGCGGCTGCGGCTCAACGACTGGAAGATGATG
GAGTCCCCGGAAGAAAGGAAGAAAGAAAGGTCCCGCTCCAATACCAAGAAAGCTCCCAAGGGGAAG
TTTCCATCACAAGAGAAAAATCCCTGGACCTGCCGACAGACAACGCCAGGAAGCCCGGAGGCGCTC
ATGGCCGCCAAGCAGCGGCTCCTCCGGCAGAATCCGCTCCGAGCGCGGACAGCATCGAGATC
TACATCCCCGAGGCCAGACCGGCTCGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_004745

Insert Size:

2928 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_004745.4</u>
RefSeq Size:	10138 bp
RefSeq ORF:	2928 bp
Locus ID:	9228
UniProt ID:	<u>Q9PIA6</u>
Cytogenetics:	8p23.3
MW:	108.9 kDa
Gene Summary:	The product of this gene is a membrane-associated protein that may play a role in synapse organization and signalling in neuronal cells. This gene is biallelically expressed in the brain, however, only the paternal allele is expressed in the testis (PMID:18055845). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jun 2014] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).