

Product datasheet for **SC326054**

DAGLB (NM_001142936) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAGLB (NM_001142936) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAGLB
Synonyms:	DAGLBETA; KCCR13L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

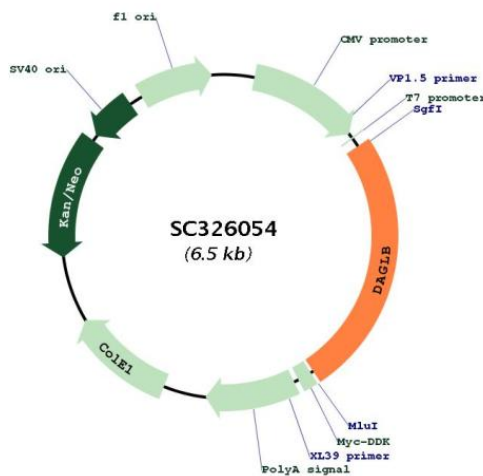
>SC326054 representing NM_001142936.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGGGGATGGTACTCTTCGGCCGGCGCTGGGCCATCGCCAGCGACGACTTGGTCTTCCAGGGTTC
TTCGAGCTGGTCTGCGAGTGTGTGGTGGATTGGCATTCTGACGTTGTATCTCATGCACAGAGGAAAG
CTGGACTGTGCTGGTGGAGCCTTGCTCAGCAGTTACTTGATCGTCCTCATGATTCTCCTGGCAGTTGTC
ATATGTAAGTGTGTGAGCCATCATGTGTGTGAGCAGTGTGAGGGAACGATTTGTAACCCCTGGACCGCGGAAG
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CTTACCTCCCGGCAGGATCATCCACCTGCAGGAGGAGGGCGCCTCGGGGCGGTTTGGCTGCTGCTCT
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CTCACCGACCACATGCCAGACATCTGATGCGGGCCTGGACAGCGTGGTCTCCGACAGAGCGCCCTGC
GTCTCTGTCCAGCACAAGGGTCTCCAGTGTGGACGTGGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001142936
Insert Size:	1632 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:	<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:	<u>NM_001142936.1</u>
RefSeq Size:	2523 bp
RefSeq ORF:	1632 bp
Locus ID:	221955
UniProt ID:	<u>Q8NCG7</u>
Cytogenetics:	7p22.1
Protein Families:	Transmembrane
MW:	59.8 kDa
Gene Summary:	Catalyzes the hydrolysis of diacylglycerol (DAG) to 2-arachidonoyl-glycerol (2-AG), the most abundant endocannabinoid in tissues. Required for axonal growth during development and for retrograde synaptic signaling at mature synapses.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks two alternate internal exons, compared to variant 1, resulting in a translational frameshift in the mid coding region. The encoded isoform (2) has the same N- and C-termini but is shorter than isoform 1.