

Product datasheet for **MC220283**

Daglb (NM_144915) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Daglb (NM_144915) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Daglb |
| Synonyms: | E330036I19Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC220283 representing NM_144915
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGGATGGTGTCTGTCGGCCGGCCTGGTCTCTAGCCAGCGACGACTTGGTGTCCCGGGTCTT
 TTGAGCTGTTCTGCGTGTGCTGTGGTGGATTGTCAGTCTGACGTTGTATCTCACGCACAGAAGGAGGCT
 GGACTGTCCCGGTGGAGTCTTGCTCAGCACGTACCTGATAGTCCTCTTGTCTCTCGCAGTTATTATA
 TGCACCGTGTGGCCATCGTGTGTGTCAGCATGAGAGGAACATTTGTAACCTGGACCTCGGAAGTCTA
 TGTCTAAGCTGCTCTATATCCGCTGGCGCTCTTCTGCCAGAGATGGTCTGGGCTTCTCTGGGGCCGC
 CTGGGTGGCAAAGGTATCCAGTGTGACAGGACAGTTGTCATTGGCATCATCGCCACCGTATTGTCAGC
 TGGATTGCATTGCTGCCACCATGGTACCATCATCTTTGTCTTTGACCCGCTGGCGGGAAGATGGCTC
 CGTATCCCCATGCATCCCGGAGCACCTGGACAGTAACAGCTCAAACCGTTACTGACTGGCCTGAAGAC
 GGCTGCGAAGAGCGTGTGGGAGACCCGGTGCAGTTCTGCTGCTGCTGCGTTGGGCAGGATGATAACACC
 AGGGTGGCGTTTTCCAGCACTGCCGACCTGTTCTCCACCTACTTCTCTGACACAGACCTGGTGCCTAGTG
 ATATCGCAGCAGGCTTACCCTTCTCCACCAGCAACAAGACAATATCAGCCACAGCCGGGAGCCTCCGGA
 GGTGTCGACCCACACACCAGGACAGCCTCAGGAACTGAGTTAGATGCAGAAGTGGAGAAGTCCATCAT
 TACATGCCGTTTGCAGCAGCTGCCTATGGTGGCCGCTTACATCTACAGGAACCCGTTACAGGGGCTGT
 GCAGGATTGGTGGCGACTGTTGCAGAGCCAGAGACATAGAGTACGATGCAGTGGAAAGGTGACCAGACAA
 CTGCCACTTCGCCTCCATCCTGAAGACCACAGGGCTGCAGTACAGGGATTCATTACATAAGCTTTAC
 GACAAGGTGTATGAGCTGCCCTTCATAGTGGTTCTGGACCACAGGAAGGAGTCTGTTGTGGTCCCGTGA
 GAGGGACCATGTCTCTCCAGGACGTCCTGACCGACCTGTCTGCCGAGAGTGGAGCCTGGAGCTGGGGAT
 TGAGTACAGGACTGTGTGGCCCAAGGGAATTGCTCAAGCGGCCAGATACATTCACCGCAGACTGGTC
 AATGATGGGATTCTGAGCCAAGCCTTCACTGTCGCTCCGAGTACCAGCTCGTTCTGGTGGGACACAGCC
 TAGGAGCCGGCGCTGCGGCCCTGTAGCCATCATGCTCCGGGGGCTACCCACAAGTCCGTGCTTATGC
 CTTCTCCCGCCAGGGGCTGCTCAGCAAATCCCTTTACGAGTACTCCAAGGACTTTGTCGTGTCGCTT
 ATCCTAGGGATGGATGTGATCCCGAGTTAAGTGTGACCAACATGGAGGACCTCAAGAGGAGGATCTCGA
 GAGTGTGCTAACTGCAATAAGCCGAAGTACAAGATCTTGTGTCATGGTGTGGTACGGACTGTTCCGG
 AGGAAGCCCTGATAACTTTCAACTGAACTGGATGAGGGCACCCAGGGGCTGACTCAGCCTCTTCTT
 GGAGAGCAGACTTCTAACCCGATACTCCCGGGCTACTGTTCCAGCGACTCCCACTGGACTCCCCCA
 CCAAGTACCCACTCTGTACCCACTGGCAGGATCATCCACTGGAAGAGGAGGGTGGTTAGGGAGGTT
 TGGCTGCTGTTCTGCTGCCAGTACAGAGCGAGGTGGGCACACGAAGCAGAATTCAGTAAGATCCTGATA
 GGCCCAAAGATGCTGATTGACCACATGCCTGACGTGATTCGGGCCCTGGACAGAGTCTTGGCCGACA
 GGACAGCTGCGTCTCTGCCAGGCAAGGCGGCTCAAGTGTACCG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_144915
- Insert Size:** 2010 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).
- 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_144915.3](#), [NP_659164.2](#)

RefSeq Size: 3257 bp

RefSeq ORF: 2010 bp

Locus ID: 231871

UniProt ID: [Q91WC9](#)

Cytogenetics: 5 G2

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 (By similarity).[UniProtKB/Swiss-Prot Function]