

Product datasheet for **MC223342**

Dagla (NM_198114) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dagla (NM_198114) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Dagla
 Synonyms: Nsddr
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC223342 representing NM_198114
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGATCGTGGTGTCCGGCGGCGCTGGTCTGTGGGCAGCGATGACCTCGTCTGCCAGCTATCT
 TCCTCTTCTGCTACACACCACCTGGTTTGTAACTCTGTCTGTGGTGCTCTTCGGCTTGGCTATAACCC
 ACACGAGGCTGCTCCCTGAACCTGGTGGACCAGGCCGAGGCTACCTGGGCATCCTTCTGAGCTGTATG
 ATTGCCGAAATGGCTATCATCTGGCTGAGCATGCGTGGGGGCATCCTCTACACAGAACCCCGGGACTCCA
 TGCACTACGTGCTCTACGTGCGCCTGGCCATCTTGGTGATTGAGTTCATCTACGCTATCGTGGGCATCGT
 CTGGCTCACACAGTACTACACCTCTGCAATGACCTCACTGCTAAGAATGTCACCCTCGGAATGGTCGTC
 TGCAACTGGTGGTCACTCTCAGCGTCTGCATCACTGTCTCTGCGTCTTTGACCCACGGGCCGCACCT
 TCGTCAAGCTGAGAGCCACCAAGAGGAGGCAGCGCAATCTGCGGACTTACAACCTGCGGCACCGTTAGA
 GGAGGGTCAGGCCACAGCTGGTCCCCTGCTAAAAGTGTCTCTGTTGCACCCGGACAAGGATTCC
 CAGTCAGATGCCTACTCAGAAATCGCTACCTCTTTGCTGAATTTTCCGTGACCTCGACATCGTGCCCT
 CCGACATCATTGCTGGCCTGGTGTGCTTAGACAGCGGCAGCGCAACGCAATGCGGTGCTGGACGA
 GGCAACAATGACATCTTGGCTTTCTGTCTGGGATGCCAGTGACCAGAAACACCAAGTACCTCGACCTC
 AAGAACTCGCACGAGATGCTACGCTACAAAGAAGTCTGCTACTACATGCTCTTTGCCCTAGCCGCCTATG
 GCTGGCCCATGTACCTGATGAGGAAGCCACCTGTGGTCTCTGCCAGCTGGCTCGGTCTGCTCGTGCTG
 TCTCTGCCCTGCACGACCCCGATTGCCCTGGGGTCAACATTGAGGAAGACAACGTTGTGGTGAAC
 GCAATCGTATCCGCGTCACTTCTGGATGAGAACATGACTGCTGTAGATATTGTCTACACCTCTGTCT
 ACGATGCGGTCTATGAACTCCCTTCTACGTAGCTGTGGACATGACAAGAAGAAAGTGGTATCAGTAT
 CCGGGGAACACTGTCCCAAGGATGCCCTGACTGACCTGACAGGCGATGCTGAGCGCTCCCTGTGGAG
 GGACACAGAGGCACCTGGTTGGGCCACAAGGGCATGGTACTCTCAGCTGAGTACATCAAGAAGAAGTTGG
 AGCAGGAGATGGTCTGTCCAGGCCTTTGGGCGAGACCTGGGCCGTGGAACCAACACTATGGCCTGAT
 TGTGGTAGGCCACTCCTTGGGAGCAGGCACAGCCGCATCCTCTCCTTCTCTGCGCCCCAGTACCCG
 ACCCTCAAGTGCTTCGTTACTCCACCAGGAGGCGCTGTAAGTGAGGATGCTATGGAATACTCCAAG



AGTTTGTGACTGCTGTGGTTCTGGGCAAAGACCTTGTCGCCAGGATTGGCCTTCCAGCTGGAAGGTTT
CCGTCGGCAGCTTCTGGATGTCCTGCAGCGGAGCACCAAGCCCAATGGCGGATCATCGTGGGGGCCACC
AAGTGTATCCCAAGTCGGAGCTGCCGAGGATCAGGTGGAGGTGACCACTCTGGCCAGCACACGACTCT
GGACACACCCAGTGATTTGACCATCGCCCTTCGGCTAGCACCCCACTTACCCACCTGGCCGCATCAT
CCACGTGGTTCACAACCATCTGCTGAGCAGTGTCTGTGTGAGCAGGAGGAGCCACATACTTTGCC
ATCTGGGGCGACAATAAAGCCTTTAACGAGGTGATCATCTCACCAGCCATGTGCATGAGCACCTGCCCT
ATGTGGTCATGGAGGGGCTCAATAAGGTGCTGGAGAATTACAACAAAGGAAAGACAGCGCTGTCTGTG
TGCAAAGGTCATGGTGAAGCCCAAGGAGGTAGACCTCACTCCCGAGCTCATCTTCCAGCAACAGCGTTG
CCCACGGGCCACCTCTGCCACTGGCCTGGCCCTGGAGCTGCCTGCCACAGAGCATCGAACAGCAGTG
TCAGGAGCAAGTCTCAGTCTGAGATGAGTCTGGAGGGCTTCTCTGAGGGCCGGCTGTGTCCCACTGGC
TGCTGCATCAGCAGCCGACAAGACCCCGTAGAGCTTCTGCTGTGTCCACCCAGGAGCGACTGGCAGCA
GAGCTGCAGTCCCGGGCCGACCACTGGCCACCATGGAGAGCCTCTCAGACACTGAGTACTGTACAGCT
TCGACTCAGCCGCTCCTCAGGCTTCCGAAGCATCAGAGGCTCGCCAGCCTCCATGCAGTACTGGAGCG
TGACGAGGGCCACCTGTTTTACATCGACCCGGCCATTCCCGAGGAGAACCCGTCCTCAGCTCACGCACA
GAGCTGTGGCAGCCGACAGTCTGTCCAAGCACTCACAGGACACCAACCCCTGGAGGGCGCTCTAGGCA
CGGGGGTGTGACTCCTGAGCGACCACCAAGTGAACCATTTGAAGAGGAGGAGGCCGAGGTGGCAGTGA
GGTGGTGGGGTGGCCCCCGGGGAGAGCTGGCACTGCACAATGGGCGCCTGGGGGACTCACCCAGCCCT
CAGGTGCTAGAATTCGCCGAGTTCATTGACAGCCTCTTCAACCTGGACAGCAAGAGCAGCTCCTTCCAGG
ACCTCTACTGCATGATGGTGCCTGAGAGCCCACTAGTGACTACTGAGGGCCCAAGTCCCCAGCCA
ACAGGAAATCTTGCTTCGGGCTCAGTTTGAAGCCCAACCTGGTACCAAGCCCGGAGGCTCTTTCAGGA
TCTGTGAACCTCCTCTGGCATCTCGCTCACCTCCTCCACTCAGCTCCTCGGGGAGCTCATGG
ACCTGACCCCAAGGGCCTCAGCAGCCAGGAGTGTCTGGCCACAGACAAGATCCGGACTTCCACCCCAAC
AGGCCACGGGGCCAGCCCAAGCAGGATGACCTGGTATCTCGGCACGCTAG

ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_198114

Insert Size:

3135 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_198114.2](#), [NP_932782.2](#)**RefSeq Size:**

5652 bp

RefSeq ORF:

3135 bp

Locus ID: 269060

UniProt ID: [Q6WQ11](#)

Cytogenetics: 19 A

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]