

Product datasheet for MR224697

Dagla (NM_198114) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dagla (NM_198114) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dagla
Synonyms:	Nsddr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224697 representing NM_198114 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGGATCGTGGTGTCCGGCGGCGCTGGTCTGTGGGCAGCGATGACCTCGTCTGCCAGCTATCT
TCCTCTTCTGCTACACACCACCTGGTTTGAATCCTGTCTGTGGTGCTCTTCGGCTTGGTCTATAACCC
ACACGAGGCTGCTCCCTGAACCTGGTGGACCACGGCCGAGGCTACCTGGGCATCCTTCTGAGCTGTATG
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TGCAGTACGTGCTCTACGTGCGCCTGGCCATCTTGGTGATTGAGTTCATCTACGCTATCGTGGGCATCGT
CTGGCTCACACAGTACTACACCTCCTGCAATGACCTCACTGCTAAGAATGTCACCCCTCGGAATGGTCGTC
TGCAACTGGTGGTCAATTCTCAGCGTCTGCATCACTGTCCTCTGCGTCTTTGACCCACGGCCGACCT
TCGTCAAGCTGAGAGCCACCAAGAGGAGGCAGCGCAATCTGCGGACTTACAACCTGCGGCACCGGTTAGA
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CAGTCAGATGCCTACTCAGAAATCGCCTACCTCTTTGCTGAATTTTTCCGTGACCTCGACATCGTGCCCT
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AAGAATCGCACGAGATGCTACGCTACAAGAAGTCTGCTACTACATGCTCTTTGCCCTAGCCGCTATG
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GCAATCGCTATCCGCGTCACTTCTGGATGAGAACATGACTGCTGTAGATATTGTCTACACCTCCTGTC
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TGTGGTAGCCACTCCTGGGAGCAGGCACAGCCCATCTCTCTTCTCTGCGCCCACTGACCCG



ACCCTCAAGTGCTTCGTTACTCCCCACCAGGAGGCTGCTAAGTGAGGATGCTATGGAATACTCCAAAG
 AGTTTGTGACTGCTGTGGTTCTGGGCAAAGACCTTGCCCCAGGATTGGCCTTCCACAGTGAAGGTTT
 CCGTCGGCAGCTTCTGGATGCTCAGCGGAGACCAAGCCAAATGGCGGATCATCGTGGGGGCCACC
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 ACCTCTACTGCATGATGGTGCCTGAGAGCCCACTAGTACTACTGAGGGCCCAAGTCCCCAGCCA
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 ACCTGACCCCAAGGGCCCTCAGCAGCCAGGAGTGTCTGGCCACAGACAAGATCCGGACTTCCACCCCCAC
 AGGCCACGGGGCCAGCCCAAGCAGGATGACCTGGTATCTCGGCACGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224697 representing NM_198114
 Red=Cloning site Green=Tags(s)

MPGIVVFRRRWSVGSDDLVLPAIFLFLHHTWFVILSVVLFGLVYNPHEACSLNLDVHGRGYLGILLSCM
 IAEMAIWL SMRGGILYTEPRDSMQYVLYVRLAILVIEFIYAIIVGIVWL TQYYTSCNDLAKNVTLGMVV
 CNWVVILSVCITVLCVFDPTGRFVKLRATKRRQRNLRTYNLRHRLEEQATSWSRRLKVFLLCCTRTKDS
 QSDAYSEIAYLFAEFFRDLDIVPSDIIAGLVLLRQRQRAKRNAVLDEANNDILAFLSGMPVTRNTKYLDL
 KNSHEMLRYKEVCYMYLFALAAYGWPMYLMRKPTCGLCQLARSCSCCLCPARPRFAPGVTIEEDNCCGCN
 AIAIRRHFLDENMTAVDIVYTSCHDAVYETPFYVAVDHDKKKVVISIRGTLSPKDALTDLTGDAERLPVE
 GHRGTWLGHKGMVLSAEYIKKKLEQEMVLSQAFGRDLGRGTHYGLIVVGHSLGAGTAAILSFLLRPQYP
 TLKCFAYSPPGGLLSEDA MEYSKEFVTAVVLGKDLVPRIGLSQLEGFRRQLLDVLRSTKPKWRIIVGAT
 KCIPKSELPEQVEVTTLASTRLWTHPSDLTIALSASTPLYPPGRIIHVVHNHPAEQCCCEQEPTYFA
 IWGDNKAFNEV IISPAMLHEHLPYVMEGLNKVLENYNKGKTALLSAAKVMVSPTEVDLTPELIFQQPL
 PTGPPLPTGLALELPATEHRNSSVRSKSQSEMSLEGFSEGRLLSPVAAA SAARQDPVELLLLSTQERLAA
 ELQSRRAPLATMESLSDTESLYSFSRRSSGFRSIRGSPSLHAVLERDEGHLFYIDPAIPEENPSLSSRT
 ELLAADSLSKHSQDTQPLEAALGSGGVTPERPPSATIEEEEAAGGSEGGVAPRGELALHNGRLGDSPPS
 QVLEFAEFIDSLFNLDKSSSFQDLYCMMVPESPTSDYTEGPKSPSQEILLRAQFEPNLVPKPRLFAG
 SAEPSSGISLSPSFPLSSSGELMDLTPTGLSSQECLATDKIRTSTPTGHGASPTKQDDLVISAR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9002_d11.zip

Restriction Sites:

Sgfl-Mlul

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

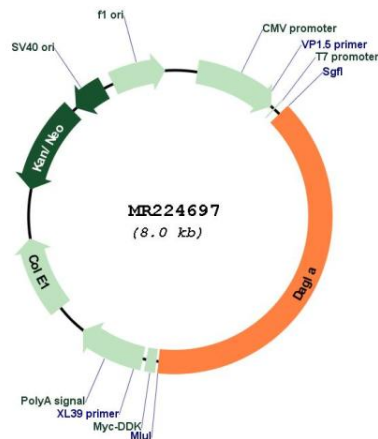
UniProt ID: [Q6WQJ1](#)

Cytogenetics: 19 A

MW: 115.8 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224697