

Product datasheet for RC214261

DAGLA (NM_006133) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAGLA (NM_006133) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DAGLA
Synonyms:	C11orf11; DAGL(ALPHA); DAGLALPHA; NSDDR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214261 representing NM_006133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGGATCGTGGTGTCCGGCGGCGCTGGTCTGTGGGCAGTGATGACCTCGTCTACCGCCATCT
TCCTCTTTCTCCTGCATACCACCTGGTTTGTGATCCTGTCCGTGGTGCTCTTCGGCTGGTCTATAACCC
GCACGAGGCTGCTCCCTGAACCTGGTGGACCACGGCCGCGCTACCTGGGCATCCTGCTGAGCTGCATG
ATCGTGTAGATGGCCATCATCTGGTGTGAGCATGCGCGGGGCATCCTCTACACGGAGCCCGTGACTCCA
TGCAGTACGTGCTCTACGTGCGCCTGGCCATCCTGGTGTGAGTTCATCTACGCCATCGTGGGCATCGT
CTGGCTCACTCAGTACTACACCTCCTGCAACGACCTCACTGCCAAGAATGTCACCCTCGGAATGGTTGTC
TGCAACTGGGTAGTCATCCTCAGTGTGTGCATCACTGTCCTCTGCGTCTTCGACCCACGGCCGACCT
TTGTCAAGCTGAGAGCCACCAAGAGGAGGCAGCGTAACCTGCGGACCTACAACCTGCGGCACCGCTTAGA
GGAGGGTCAAGCCACCAGCTGGTCGCGCCGGCTCAAAGTGTCTCTGCTGCACGCGGACGAAGGACTCC
CAGTCAGATGCCTACTCAGAAATCGCCTACCTCTTTGCGGAGTCTTCGCGGACCTTGACATTGTCCAT
CCGACATCATTGCTGGCCTGGTGTCTCCGGCAGCGGCAAGCGCAACGCCGTGCTGGACGA
GGCAAACAATGACATCTTGGCCTTCTGTCTGGGATGCCGGTGACCAGAAACACCAAGTACCTCGACCTC
AAGAATTCACAAGAGATGCTCCGCTACAAGAGGTCTGCTACTACATGCTCTTTGCCCTGGCTCCCTACG
GGTGGCCCATGTACCTGATGCGGAAGCCCGCCTGCGGCCCTGCCAAGTGGCTCGTCTGCTGTTG
CCTGTGTCTGCGAGGCCGCGGTTCCGCCCTGGAGTACCATCGAGGAAGACAACCTGCTGTGGTGTAAAT
GCCATTGCCATCCGGCGCCACTTCTGGACGAGAACATGACTGCGGTGGACATCGTCTATACCTCCTGCC
ATGATGCGGTCTATGAAACGCCCTTCTACGTGGCGGTGGACCATGACAAGAAGAAAGTGGTGTGATCAGTAT
CCGGGGGACCCTGTCCCCAAGGATGCCCTGACTGACCTGACGGGTGATGCTGAGCGCCTCCCCGTGGAG
GGGCACCACGGCACCTGGCTGGGCCACAAGGTATGGTCTCTCAGCTGAGTACATCAAGAAGAACTGG
AGCAGGAGATGGTCTGTCCCAGGCCTTTGGCGAGACCTGGGCCGCGGAACCAACACTACGGCCTGAT
TGTGGTGGCCACTCCCTGGCGCGGGCACTGCTGCCATCCTCTCCTTCTGCGCCACAGTATCCG



ACCCTCAAGTGCTTTGCCTACTCCCCGCCAGGGGCTGCTGAGTGAGGATGCGATGGAGTATTC AAGG
 AGTTTCGTGACTGCTGTGGTTCTGGGCAAAGACCTCGTCCCCAGGATTGGCCTCTCTCAGCTGGAAGGCTT
 CCGCAGACAGCTCCTGGATGTCTGCAGCGAAGCACC AAGCCAAATGGCGGATCATCGTGGGGCCACC
 AAATGCATCCCCAAGTCGGAGCTGCCTGAGGAGGTAGAGGTGACCACCCTGGCCAGCAGCGGCTCTGGA
 CCCACCCAGCGACCTAACTATAGCCCTCTCAGCCAGCACTCCACTCTACCCGCCGGCCGCATCATCCA
 CGTGGTCCACAACCACCCTGCAGAGCAGTGTCTGCTGTGTGAGCAGGAGGAGCCACATACTTTGCCATC
 TGGGGCGACAACAAGGCCTTCAATGAGGTGATCATCTCGCCAGCCATGCTGCATGAGCACCTGCCATG
 TGGTCATGGAGGGGCTCAACAAGGTGCTGGAGA ACTACAACAAGGGGAAGACCGCTCTGCTCTGCAGC
 CAAGGTGATGGT GAGCCCTACCGAGGTGACTGACTCCTGAGCTCATCTTCCAGCAGCAGCCACTCCCC
 ACGGGGCCGCCATGCCACTGGCCTTGCCTGGAGCTGCCGACTGCAGACCACC GCAACAGCAGCGTCA
 GGAGCAAGTCCCAGTCTGAGATGAGCCTGGAGGGCTTCTCGGAGGGGCGGCTGCTGTGCCAGTGGTTGC
 GCGGGCGGCCCGCAGGACCCGGTGGAGCTGCTGCTGTCTACCCAGGAGCGGCTGGCGGGGAGCTG
 CAGGCCCGGGCCAGCACTGGCCACCATGGAGAGCCTCTCGGACTGAGTCCCTGTACAGCTTCGACT
 CGCGCCGCTCCTCAGGCTCCG CAGCATCCGGGGCTCCCCAGCCTCCACGCTGTGCTGGAGCGTATGA
 AGGCCACCTCTTCTACATTGACCCTGCCATCCCCGAGGAAAACCCATCCCTGAGCTCGCGCACTGAGCTG
 CTGGCGGCCGACAGCCTGTCCAAGCACTCACAGGACACGAGCCCTGGAGGCGGCCCTGGGCAGTGGCG
 GCGTCACTCCTGAGCGGGCCCCAGTGCTGCGGCAATGACGAGGAGGAAGAGGTTGGCGGTGGGGGTGG
 CGGGCCGGCTCCCGCGGGGAGCTGGCGCTGCACAATGGGCGCCTGGGGGACTCGCCAGTCTCAGGTG
 CTGGAATTCGCCGAGTTCATCGACAGCCTTCAACCTGGACAGCAAGAGCAGCTCCTTCCAAGACCTCT
 ACTGCATGGTGGTGGCCGAGAGCCCCACAGTACTACGCTGAGGGCCCCAAGTCCCCAGCCAGCAAGA
 GATCCTGCTCCGTGCCAGTTCGAGCCAACTGGTGGCCAAAGCCCCACGGCTCTTGGCGGCTCAGCC
 GACCCCTCCTCGGCATCTCACTCTCGCCCTCCTCCCGCTCAGCTCCTCGGGT GAGCTCATGGACTGA
 CGCCACGGGCTCAGTAGCCAGGAATGCCTGGCGGCTGACAAGATCCGGACTTACCCCCACTGGCCA
 CGGAGCCAGCCCCCAAGCAAGATGAGTGGT CATCTCAGCACGC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214261 representing NM_006133
 Red=Cloning site Green=Tags(s)

MPGIVVFRRRWSVGSDDLVLPAIFLFLHHTWFVILSVVLFGLVYNPHEACSLNLDHGRGYLGILLSCM
 IAEMAIWL SMRGGILYTEPRDSMQYVLYVRLAILVIEFIYAIIVGIVWL TQYYTSCNDLTAKNVTLGMVV
 CNWVVILSVCITVLCVFDPTGRTFVKLRATKRRQRNLRTYNLRHRLEEQATSWSRRLKVFLLCCTRTKDS
 QSDAYSEIAYLFAEFFRDLDIVPSDIIAGLVLLRQRQRAKRNAVLDEANNDILAFLSGMPVTRNTKYLDL
 KNSQEMLR YKEVCYYMLFALAAYGWPMYLMRKPACGLCQLARSCSCCLCPARPRFAPGVTIEEDNCCGCN
 AIAIRRHFLDENMTAVDIVYTSCHDAVYETPFYVAVDHDKKKVVISIRGTLSPKDALTDLTGDAERLPVE
 GHHGTWLGHKGMVLSAEYIKKKLEQEMVLSQAFGRDLGRGTKHYGLIVVGHSLGAGTAAILSFLLRPQYP
 TLKCFAYSPPGGLLSEDA MEYSKEFVTAVVLGKDLVPRIGLSQLEGFRRQLLDVLRSTKPKWRIIVGAT
 KCIPKSELPEEVEVTTLASTRLWTHPSDLTIALSASTPL YPPGRIIHVVHNHPAEQCCCEQEPTYFAI
 WGNKAFNEV IISPAMLHEHLPYVYVMEGLNKVLENYNKGKTALLSAAKVMVSPTEVDLTPELIFQQPLP
 TGPPMPTGLALELPTADHRNSSVRSKSQSEMSLEGFSEGRLLSPVVAARQDPVELLLLSTQERLAAEL
 QARRAPLATMESLSDTESLYSFDSSRSGFRSIRGSPSLHAVLERDEGHLFYIDPAIPEENPSLSSRTEL
 LAADSLSKHSQDTQPLEAALGSGGVTPERPPSAAANDEEEVGGGGGPPASRGELALHNGRLGDSPPSQV
 LEFAEFIDSLFNLDKSSSFQDLYCMVVPESPTSDY AEGPKSPSQQEILLRAQFEPNLVPKPPRLFAGSA
 DPSSGISLSPSFPLSSSGELMDLTPTGLSSQECLAADKIRTSTPTGHGASPAKQDELVISAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8115_b09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_006133

ORF Size: 3126 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_006133.3](#)

RefSeq Size: 5761 bp

RefSeq ORF: 3129 bp

Locus ID: 747

UniProt ID: [Q9Y4D2](#)

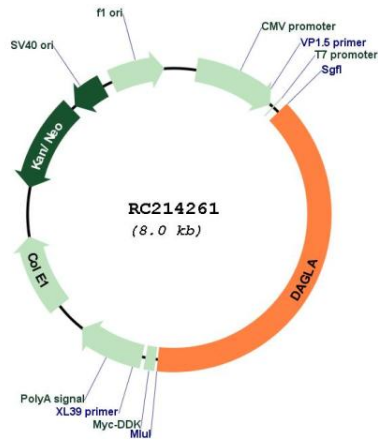
Cytogenetics: 11q12.2

Protein Families: Druggable Genome, Transmembrane

MW: 115 kDa

Gene Summary: This gene encodes a diacylglycerol lipase. The encoded enzyme is involved in the biosynthesis of the endocannabinoid 2-arachidonoyl-glycerol.[provided by RefSeq, Nov 2010]

Product images:



Circular map for RC214261