

Product datasheet for **MR209084**

Faah (NM_010173) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Faah (NM_010173) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Faah
Synonyms:	AW412498
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR209084 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

 ATGGTGTCTGAGCGAAGTGTGGACCGCGCTGTCTGGACTCTCCGGGTTTGCCTAGCCTGCAGCTTGTCTGT
CGGCGGCGGTGGTCTGCGATGGACAGGAGCCAGACCGCCGGGGCGCGGTGACCAGGGCGCGGCAGAA
GCAGCGAGCCGGCTGGAGACCATGGACAAGGCGGTGCAGCGCTTCCGGTGCAGAACTCTGACCTGGAT
TCACAGGCCTTGTGGCTCTGCCCTGTCCAAGTGTACAGAAGTTACAGAGTGGGGAAGTGTCCCGAG
AAGCTGTGCTCTTACCTACCTGGGAAAGGCTGGGAAGTGAACAAAGGACCAACTGTGTGACCTCCTA
TCTGACTGACTGTGAGACTCAGCTGTCCAGGCCCCACGCGAGGGCTGTCTATGGCGTCCCCGTGAGC
CTCAAGGAATGCTTCAGCTACAAGGGCCATGCTTCCACTGGGCTTAAGTTGAACGAGGGTGTGACAT
CGGAGAGTGACTGTGTGGTGGTGCAGGTACTGAAGCTGCAGGGAGCTGTGCCCTTTGTGCACACCAACGT
CCCCCAGTCCATGCTAAGCTATGACTGCAGTAACCCCTCTTTGGCCAGACCATGAACCCGTGGAAGCCC
TCCAAGAGTCCAGGAGGTTCTCAGGGGGTGAAGGGGCTCTATTGGATCTGGAGGCTCCCTCTGGGTT
TAGGCACTGACATCGGCGGCAGCATCCGGTTCCCTTCTGCCTTCTGTGGCATCTGTGGCTCAAGCCTAC
TGGGAACCGCCTCAGCAAGAGTGGCCTGAAGAGCTGTGTTATGGACAGACAGCAGTGCAGCTTTCTGTT
GGCCCCATGGCACGGGATGTGGATAGCCTGGCATTGTGCATGAAAGCCCTACTTTGTGAGGATTTGTTCC
GCTTGGACTCCACCATCCCCCTTGCCTTACAGGAGGAGATCTACAGAAGTTCTCGACCCCTTCGTGT
GGGATACTATGAACTGACAACTACACCATGCCACTCCAGCCATGAGGAGGGCTGTGATGGAGACCAAG
CAGAGTCTCGAGGCTGCTGGCCACACGCTGGTCCCCTTCTACCAAAACATACCTTATGCCCTGGAGG
TCCTGTGCGCAGGTGGGCTGTTCACTGATGGTGGCTGCTCTTTTCTCAAAGCTCAAAGGCGACTTTGT
GGATCCCTGCTTGGGGGACCTGGTCTTAGTGCTGAAGCTGCCAGGTGGTTTAAAAAACTGCTGAGCTTC
CTGCTGAAGCCTCTGTTTCTCGCTGGCAGCCTTCTCAACAGTATGTGTCTCGGTGACGCCGAAAGC
TGTGGGAAGTGCAGCATGAGATTGAGATGTATCGCCAGTCCGTCATTGCCAGTGAAGGCAATGAAGT
GGACGTGGTGCTAACCCCATGCTGGGTCTGCTGATTTGAACACACCGGGCAGAGCCACAGGGGCT
ATCAGCTACACTGTTCTCTATAACTGCCTGGACTTCCCTGCGGGGGTGGTGCCTGTCAACACTGTGACCG
CTGAGGACGATGCCAGATGGAACACTACAAGGCTACTTTGGGGATATGTGGGACAACATTCTGAAGAA
GGGCATGAAAAAGGTATAGGCCTGCCTGTGGCTGTGAGTGCCTGGCTCTGCCCTGGCAGGAAGAGCTG
TGCTGCGGTTTATGCGGAGGTGGAACGCTGATGACCCTGAAAGCGGCCATCT

ACGCGTACGCGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209084 protein sequence

Red=Cloning site Green=Tags(s)

 MVLSEVWTALSGLSGVCLACSLLSAAVVLRWTRSQTARGAVTRARQKQRAGLETMDKAVQRFRLQNPDL
SQALLALPLLQLVQKLQSGELSPEAVLFTYLKAWEVNKGTCVTSYLTDCETQLSQAPRQGLLYGVPVS
LKECFSYKGHASTLGLSLNEGVTSSEDCVVVQLKLQGAVPFVHTNVPQSMLSYDCSNPLFGQTMNPWK
SKSPGGSSGEGALIGSGGSPLGLGTDIGGSIRFSAFCGICGLKPTGNRLSKSLKSCVYGQTAVQLSV
GPMARDVDSLALCMKALLCEDLFRLDSTIPPLPFREEIYRSSRPLRVGYETDNYTMPTPAMRRAYMETK
QSLEAAGHTLVPFLPNNIPYALEVL SAGGLFSDGGCSFLQNFKGDFVDPCLGDLVLVLKLPWFKKLLSF
LLKPLFPRLAFLNSMCPRSAEKLWELQHEIEMYRQSVIAQWKAMNLDVLTPLMLPALDLNTPGRATGA
ISYTVLYNCLDFPAGVVPVTTTVAEDDAQMEHYKGYFGDMWDNILKKGMKKGIGLPVAVQCVLPWQEEL
CLRFMREVERLMTPEKRPS

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**
Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM 010173

ORF Size: 1737 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_010173.1, NM_010173.2, NM_010173.3, NM_010173.4, NP_034303.2

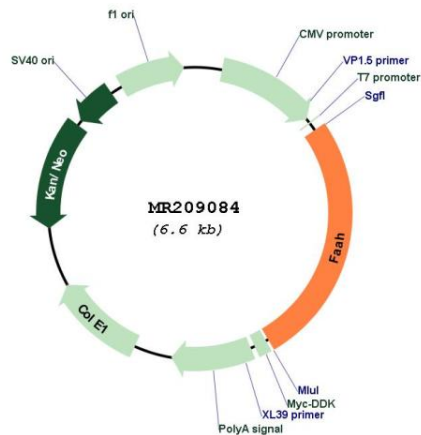
RefSeq Size: 3816 bp

RefSeq ORF: 1740 bp

Locus ID: 14073

UniProt ID:	<u>O08914</u>
Cytogenetics:	4 53.08 cM
MW:	63.2 kDa
Gene Summary:	Degrades bioactive fatty acid amides like oleamide, the endogenous cannabinoid, anandamide and myristic amide to their corresponding acids, thereby serving to terminate the signaling functions of these molecules. Hydrolyzes polyunsaturated substrate anandamide preferentially as compared to monounsaturated substrates (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209084