

Product datasheet for **SC106934**

FAAH2 (NM_174912) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAAH2 (NM_174912) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAAH2
Synonyms:	AMDD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC106934 sequence for NM_174912 edited (data generated by NextGen Sequencing)

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ATGGCACCTTTATTTACCGCCCGCATTGTTGTTCTTGGCGGGCGTAGGCTTTCTC
ATAGGCTTAGTAGGCCGAGCAGCTTTAGTCTTAGGGGGCCAAAGTTGCCTCAAAGACC
CCTCGGCCGGTACTGAACCATGCTTCTGCTTTCGGGGATGCAGCTGGCCAAGCTGATC
CGACAGAGAAAAGTGAAATGTATAGATGTTGTTTCAAGCTTATATCAACAGAATCAAGGAC
GTGAACCAATGATCAATGGAATTGTCAAGTACAGGTTTGAGGAAGCGATGAAGGAGGCT
CATGCTGTAGATCAAAGCTTGCAGAGAAGCAGGAAGATGAAGCCACCCTGGAAAATAAA
TGGCCCTTCTTGGGTTCTTTGACAGTCAAGGAAGCTTCCAGCTACAAGGAATGCC
AATTCTTCTGGACTCATGAACCGTCGTGATGCCATTGCCAAAACAGATGCCACTGTGGT
GCATTACTGAAGGGAGCTGGTGCCATTCTTGGCATAACCAACTGTAGTGAGTTGTGT
ATGTGGTATGAATCCAGTAACAAGATCTATGGCCGATCAAACAACCCATATGATTTACAG
CATATTGTAGGTGGAAGTTCTGGTGGTGAAGGCTGCACACTGGCAGCTGCCTGCTCAGTT
ATTGGTGTGGCTCTGATATTGGTGGTAGCATTGAATGCCTGCTTTCTCAATGGTATA
TTTGGACACAAGCCTTCCAGGTGTGGTCCCAACAAAGGTGAGTTCCCTTGGCTGTG
GGAGCCCAGGAGTTGTTTCTGTGCACTGGTCTATGTGCCGCTATGCTGAAGACCTGGCC
CCCATGTTGAAGGTCATGGCAGGACCTGGGATCAAAGGTTAAAACACTAGACACAAAGGTA
CATTTAAAAGACTTAAAATTTACTGGATGGAACATGATGGAGGCTCATTTTTAATGTCC
AAAGTGGACCAAGATCTCATTATGACTCAGAAAAAGGTTGTGGTTCACCTTGAACTATT
CTAGGAGCCTCAGTTCAACATGTTAAACTGAAGAAAATGAAGTACTCTTTTCAGTTGTGG
ATCGCAATGATGTCAGCAAAGGGACATGATGGGAAGGAACCTGTGAAATTTGTAGATTTG
CTTGGTGACCATGGGAAACATGTCAGTCCTCTGTGGGAGTTGATCAAATGGTGCCTGGGT
CTGTGAGTGTACACCATCCCTTCCATTGGACTGGCTTTGTTGGAAGAAAAGCTCAGATAT
AGCAATGAGAAAATACCAAAGTTTAAGGCAGTGGGAAGAAAGCCTGCGTAAAGAGCTGGTG
GATATGCTAGGTGATGATGGTGTGTTCTTATATCCCTCACATCCCACAGTGGCACCTAAG
CATCATGTCCCTTAACACGGCCTTTCAACTTTGCTTACACAGGTGTCTTCAAGTGCCTG
GGTTTGCCTGTGACCCAATGCCACTGGGACTGAATGCCAAAGGACTCCCTTTAGGCATC
CAGGTTGTGGCTGGACCCTTAAATGATCATCTGACCCTGGCTGTGGCCAGTACTTGGAG
AAAACCTTTGGGGGCTGGGTCTGTCCAGGAAAGTTTTAG
    
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Clone variation with respect to NM_174912.3
 11 c=>t;99 t=>c;822 t=>c

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_174912 unedited
AATACGACTCTACTATAGGCGGCCGGAATTCGGCAGCAGGCTCGTCCTTCTCAGGTG
CACGTAACCCTCAAGCACTAGGACCGTGCAGGATCCAGGCTGCGATGGCACCTTTATTTA
CCGCCCGCATTAGTTGTTCTTTCGGGGCGCTAGGCTTCTCATAGGCTTAGTAGGCC
GAGCAGCTTTAGTCTTAGGGGGCCAAAGTTTGCCTCAAAGACCCTCGGCCGGTACTG
AACCATGCTTCTGCTTTCGGGGATGCAGCTGGCCAAGCTGATCCGACAGAGAAAAGTGA
AATGTATAGATGTTGTTTCAAGCTTATATCAACAGAATCAAGGACGTGAACCCAACGATCA
ATGGAATTGTCAAGTACAGGTTTGAAGGAAGCGATGAAGGAGGCTCATGCTGTAGATCAA
AGCTTGCAGAGAAGCAGGAAGATGAAGCCACCCTGAAAATAAATGGCCCTTCTTGTGG
TTCCTTTGACAGCAAGGAAGCTTTCAGCTACAAGGAATGCCAATTCTTCTGGACTCA
TGAACCGTCGTGATGCCATTGCCAAAACAGATGCCACTGTGGTGGCATTACTGAAGGGAG
CTGGTGCCATTCTCTTGGCATAACCAACTGTAGTGAGTTGTGTATGTGGTATGAATCCA
NTAACAGATCTATGGCCGATCAAACACCCATATGATTTACAGCATATTGTANGTGGGAA
GTTCTGGTGGTGAAGGCTGCACACTGGCAGCTGCCTGCTCAGTTATTGGTGTGGGCTCTG
ATATTGTGGTAGCATTGCAATGCCTGCTTCTCCATGGTATATATTGACCACAGCCTTCT
TCAGTTGTGTTTCCACCAAAGGACAGTTCCCTTGGCTGTGGGACCCAGAAGATGNTCTG
GCACTGGTCCTT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_174912 unedited TTTTTTCGCACCTTATCCTTTACATNGTCCTAATTTTCCAGTAACATAAAAAGCAANAAGCA AATATTACCATTTTAGTAAGACCAACAGTTAGAGAAGGAAATAAAAAGTAGAAAGAATAAC TAAATGAGTCAATAAATCCCCAGTTGTTTCTCTGCTTGTCTGCTGGTGCCTTGATTTTAC CCAATTAATAGAAACACCACCACACGAACACAAACACACACACACATTAACCTTGAGAA GGTCCTCCTAAAACCTTTCTGGACAGACCCAGCCCCAAAAGTTTCTCCAAGTACTGGG CCACAGCCAGGGTCAGATGATCATTAAAGGGTCCAGCCACAACCTGGATGCCTAAAGGGA GTCCTTTGGCATTCAAGTCCAGTGGGCATTGGGTACAGGCAAACCCAGGGCACTGAAGA CACCTGTGTAAGCAAAGTTGANAGGCCGTGTTAGAGGGACATGATGCTTAGGTGCCACTG TGGGATGTGAGGGATATAAGAACACACCATCATCACCTAGCATATCCACCAGCTCTTTAC GCAGGCTTTCTTCCACTGCCTTTAACTTTTGGTATTTCTCATTGCTATATCTGAGCTTTT CTTNCACAAAGCCAGTCCAATGGAAAGGGATGGTGTACACTTGACAGACCCAGGCACC ATTTTGATCAACTCCACCGAGGACTGACATGTTTTCCATGGTCAACCAAGCAAATCTCC AAATTTACAGGGTCCTTTCCCTCATGTCCCTTTGGTGACATCATTGCGTCCCCACTGA AAAAAAGACCTCATTTTCTTCAATTTAACATGTTGGACTGGAGGCCCCAGAAATATTTTC AAGTGAACCCACACCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_174912
Insert Size:	2000 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:	<ol style="list-style-type: none"> 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_174912.2 , NP_777572.1
RefSeq Size:	1980 bp
RefSeq ORF:	1599 bp
Locus ID:	158584
UniProt ID:	Q6GMR7
Cytogenetics:	Xp11.21
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a fatty acid amide hydrolase that shares a conserved protein motif with the amidase signature family of enzymes. The encoded enzyme is able to catalyze the hydrolysis of a broad range of bioactive lipids, including those from the three main classes of fatty acid amides; N-acylethanolamines, fatty acid primary amides and N-acyl amino acids. This enzyme has a preference for monounsaturated acyl chains as a substrate. Alternate splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2017]