Fatty acid amide hydrolase (FAAH), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP03278*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Fatty acid amide hydrolase (FAAH)

Product Gene Name
FAAH recombinant protein

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence
MGKYQVMKRA SEVDLSTVKY KAETMKAPHL TGLSFKLFVN LLEAPLIGSL IVDYLKKDNG MTKIFRNTVI PEEPMFRPEF PSQEPEHDVV IVGEDESPID RLETALKCLP QYDPSRSLHA DPVSSFRYWK IRDYAYAYRS KLTTPLQVAK RIISIIEEFG YDKPPTPFLI RFDANEVIKQ AEASTRRFEQ GNPISVLDGI FVTIKDDIDC LPHPTNGGTT WLHEDRSVEK DSAVVSKLRS CGAILLGKAN MHELGMGTTG NNSNYGTTRN PHDPKRYTGG SSSGSAAIVA AGLCSAALGT DGGGSVRIPS ALCGITGLKT TYGRTDMTGS LCEGGTVEII GPLASSLEDA FLVYAAILGS SSADRYNLKP SPPCFPKLLS HNGSNAIGSL RLGKYTKWFN DVSSSDISDK CEDILKLLSN NHGCKVVEIV VPELEEMRAA HVISIGSPTL SSLTPYCEAG KNSKLSYDTR TSFAIFRSFS ASDYIAAQCL RRRLMEYHLN IFKDVDVIVT PTTGMTAPVI PPDALKNGET NIQVTTDLMR FVLAANLLGF PAISVPVGYD KEGLPIGLQI MGRPWAEATV LGLAAAVEEL APVTKKPAIF YDILNTN

Sequence Positions
1-607aa; full length protein

Format
Liquid containing glycerol

Host
Cell Free Expression

Molecular Weight
66,079 Da

Storage
Store at -20℃, for extended storage, conserve at -20℃ or -80℃.Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.

Protein Family
Fatty-acid amide hydrolase

NCBI Accession
NP_201249.2

NCBI GI
186532737

NCBI GenBank Nucleotide
NM_125840.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP03278*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

NCBI GeneID
836565

NCBI Official Full Name
fatty acid amide hydrolase

NCBI Official Symbol
FAAH

NCBI Official Synonym Symbols
AtFAAH; FAAH; fatty acid amide hydrolase

NCBI Protein Information
fatty acid amide hydrolase

UniProt Gene Name
FAAH

UniProt Protein Name
Fatty acid amide hydrolase

UniProt Synonym Protein Names
N-acylethanolamine amidohydrolase

UniProt Entry Name
FAAH_ARATH

UniProt Primary Accession
Q7XJJ7

UniProt Secondary Accession
Q93ZI9; Q9FGF2; Q9LLC0

UniProt Related Accession
Q7XJJ7

UniProt Comments
Degrades bioactive fatty acid amides to their corresponding acids, thereby serving to terminate the signaling functions of these molecules. Converts N-actylethanolamine (NAE) to ethanolamine. Can also use oleamide or 2-arachidonylglycerol as substrates, but not indole-3-acetamide, 1-naphtalene-acetamide, nicotinic acid amide or L-asparagine. Might be involved in abscisic acid signaling and plant defense through distinctly different mechanisms not involving the catalytic activity.

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