

Recombinant Rat fatty acid amide hydrolase Protein, His tagged

Cat. No. Faah-38R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat FAAH protein (29-579, human mutations L192F, F194Y, A377T, S435N, I491V, V495M) was expressed as a HIS-fusion protein and purified by a 4-step chromatographic procedure comprising affinity, ion exchange and size exclusion chromatography steps. FAAH was expressed and purified from E. coli.
Species	Rat
Source	E.coli
ProteinLength	29-579aa
Description	Enables several functions, including acylglycerol lipase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides; and identical protein binding activity. Involved in fatty acid catabolic process; monoacylglycerol catabolic process; and positive regulation of vasoconstriction. Located in organelle membrane. Human ortholog(s) of this gene implicated in obesity and substance-related disorder. Orthologous to human FAAH (fatty acid amide hydrolase).
Tag	His
Molecular Mass	64 kDa
Purity	> 90 %

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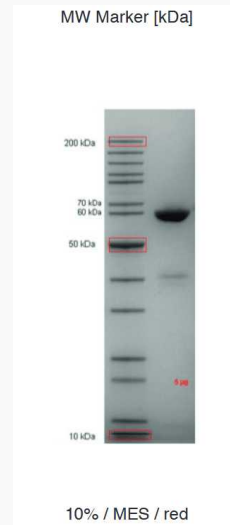
Storage	Frozen, at -80 centigrade.
Storage Buffer	20 mM Hepes/NaOH. pH 7.0; 500 mM NaCl; 250 mM LiCl; 5 % Glycerol; 1 mM TCEP; 0.1 % n-decyl- β -D-maltoside
GENE INFORMATION	
Gene Name	Faah fatty acid amide hydrolase [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Faah
Synonyms	Faah; fatty acid amide hydrolase; fatty-acid amide hydrolase 1; anandamide amidase; anandamide amidohydrolase 1; fatty acid ester hydrolase; oleamide hydrolase 1; EC 3.5.1.99
Gene ID	100911581
mRNA Refseq	NM_001369126
Protein Refseq	NP_001356055
UniProt ID	P97612

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