

AR51279PU-S

Human Oleamide hydrolase 2 (32-532, His-tag) - Purified

Alternate names:	AMDD, Amidase domain-containing protein, Anandamide amidohydrolase 2, FAAH2, Fatty-acid amide hydrolase 2
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	FAAH2 is 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.
Uniprot ID:	Q6GMRZ
NCBI:	NP_777572
GeneID:	158584
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >80% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Description:	Recombinant human FAAH2 protein, fused to His-tag at N-terminus, was expressed in E.coli . AA Sequence: MGSSHHHHH SSGLVPRGSH MSGGPKFAS KTPRPVTEPL LLLSGMQLAK LIRQRKVKCI DVVQAYINRI KDVNPMINGI VKYRFEEAMK EAHAVDQKLA EKQEDEATLE NKWPFLGVPL TVKEAFQLQG MPNSSGLMNR RDAIAKTDAT VVALLKGAGA IPLGITNCSE LCMWYESSNK IYGRSNNPYD LQHIVGGSSG GEGCTLAAAC SVIGVGSIDG GSIRMPAFFN GIFGHKPSPG VVPNKGQFPL AVGAQELFLC TGPMCRYAED LAPMLKVMAG PGIKRLKLDL KVHLKDLKFY WMEHDGGSFL MSKVDQDLIM TQKKVVHLE TILGASVQHV KLKMKYSFQ LWIAMMSAKG HDGKEPVKFV DLLGDHGKHV SPLWELIKWC LGLSVYTIPS IGLALLEEKL RYSNEKYQKF KAVEESLRKE LVDMLGDDGV FLYPSHTVA PKHHVPLTRP FNFAYTGVFS ALGLPVTQCP LGLNAKGLPL GIQVVAGPFN DHLTLAVAQY LEKTFGGWVC PGKF Molecular weight: 57.4 kDa (524aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Wei B.Q., Mikkelsen T.S.. et al. (2006). J. Biol. Chem. 281:36569-36578

Pictures:

