

32-2315: FAAH2 Recombinant Protein

Alternative Name : Fatty acid amide hydrolase 2, AMDD, Amidase domain-containing protein, Anandamide amidohydrolase 2, Oleamide hydrolase 2, FAAH2.

Description

Source : Escherichia Coli. FAAH2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 524 amino acids (32-532a.a) and having a molecular mass of 57.4kDa. FAAH2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Fatty Acid Amide Hydrolase 2 (FAAH2) shares a conserved protein motif with the amidase signature family of enzymes. FAAH2 catalyzes the hydrolysis of a broad range of bioactive lipids, including those from the 3 main classes of fatty acid amides; N-acyl ethanolamines, fatty acid primary amides and N-acyl amino acids. FAAH2 is also degrades bioactive fatty acid amides to their corresponding acids, thus helping to end the signaling functions of these molecules. FAAH2 prefers monounsaturated acyl chains as a substrate.

Product Info

Amount : 25 µg

Purification : Greater than 80% as determined by SDS-PAGE.

Content : The FAAH2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSGGPKFAS KTPRPVTEPL LLLSGMQLAK LIRQRKVKCI DVVQAYINRI KDVNPMINGI VKYRFEEAMK EAHAVDQKLA EKQEDEATLE NKWPFLGVPL TVKEAFQLQG MPNSSGLMNR RDAIAKTDAT VVALLKGAGA IPLGITNCSE LCMWYESSNK IYGRSNNPYD LQHIVGGSSG GEGCTLAAAC SVIGVGS DIG GSIRMPAFFN GIFGHKPSPG VVPNKGQFPL AVGAQELFLC TGPMCRYAED LAPMLKVMAG PGIKRLKLDL KVHLKDLKFY WMEHDGGSFL MSKVDQDLIM TQKKVVVHLE TILGASVQHV KLKKMKYSFQ LWIAMMSAKG HDGKEPVKFV DLLGDHGKHV SPLWELIKWC LGLSVYTIPS IGLALLEEKL RYSNEKYQKF KAVEESLRKE LVDMLGDDGV FLYPSHPTVA PKHHVPLTRP FNFAYTGVFS ALGLPVTQCP LGLNAKGLPL GIQVVAGPFN DHLTLAVAQY LEKTFGGWVC PGKF.

