

Recombinant human FAAH2 protein

Catalog Number: ATGP2459

PRODUCT INFORMATION

Expression system

E.coli

Domain

32-532aa

UniProt No.

Q6GMR7

NCBI Accession No.

NP_777572

Alternative Names

Fatty acid amide hydrolase 2, AMDD, Amidase domain containing, Anandamide amidohydrolase 2, Oleamide hydrolase 2

PRODUCT SPECIFICATION

Molecular Weight

57.4 kDa (524aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M urea

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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-acyl ethanolamines, fatty acid primary amides and N-acyl amino acids. This enzyme has a preference for monounsaturated acyl chains as a substrate. Recombinant human FAAH2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

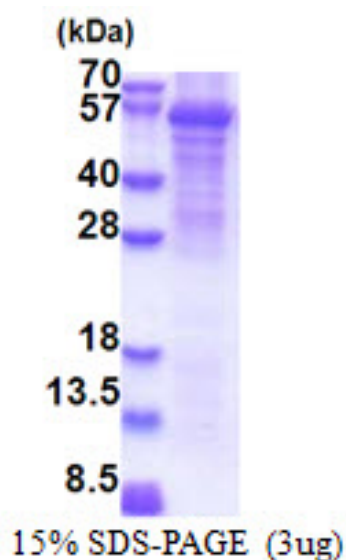
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IPLGITNCSE LCMWYESSNK IYGRSNNPYD LQHIVGGSSG GEGCTLAAAC SVIGVGSDIG GSIRMPAFFN GIFGHKPSPG
VVPNKGQFPL AVGAQELFLC TGPMCRYAED LAPMLKVMAG PGIKRLKLDL KVHLKDLKFY WMEHDGGSFL MSKVDQDLIM
TQKKVVVHLE TILGASVQHV KLKKMKYSFQ LWIAMMSAKG HDGKEPVKFV DLLGDHGKHV SPLWELIKWC LGLSVYTIPS
IGLALLEEKL RYSNEKYQKF KAVEESLRKE LVDMLGDDGV FLYPSHPTVA PKHHVPLTRP FNFAYTGVFS ALGLPVTQCP
LGLNAKGLPL GIQVVAGPFN DHLTLAVAQY LEKTFGGWVC PGKF

General References

Wei B.Q., Mikkelsen T.S.. et al. (2006). J. Biol. Chem. 281:36569-36578

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.