Recombinant human ACBP/DBI protein

Catalog Number: ATGP0567

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-87aa

UniProt No.
P07108

NCBI Accession No.
NP_001073331

Alternative Names
Acyl-CoA-binding protein, ACBD1, CCK-RP, EP, DBI, Acyl-CoA-binding protein, Diazepam Binding Inhibitor Protein, GABA receptor modulator, Acyl-Coenzyme A binding protein, Endozepine

PRODUCT SPECIFICATION

Molecular Weight
12.2 kDa (107aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

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
ACBP, also known as ACBD1, is a diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulate signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. Expression of ACBP is significantly induced during adipocyte differentiation. ACBP is a target for proliferator-activated receptor (PPAR) gamma, and is directly activated by PPARgamma/RXRalpha and PPARalpha/RXRalpha, but not by

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PPARdelta/RXRalpha. Recombinant human ACBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

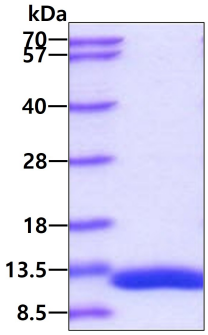
<MGSSHHHHHH SSGLVPRGSH> MSQAEFEKAA EEVRHLKTKP SDEEMLFIYG HYKQATVGDI NTERPGMLDF TGKAKWDAWN ELKGTSKEDA MKAYINKVEE LKKKYGI

General References

Folli F., et al. (2010) PLoS One. 5(3):e9923.
Manjithaya R., et al. (2010) J Cell Biol. 188(4):537-46.

DATA

SDS-PAGE



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