

# Product information

## Acbp, 1-87aa

Mouse, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP3751

**Full name:** Acyl-CoA-binding protein isoform 2

**NCBI Accession No.:** NP\_031856

**Synonyms:** ACBD1, Acbp, endozepine, EP

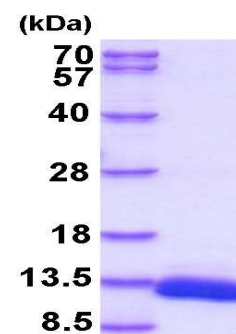
**Description:** : Acbp, also known as Acyl-CoA-binding protein isoform 2, is a diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulates signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. Expression of Acbp is significantly induced during adipocyte differentiation. Acbp acts as an acyl-CoA pool former and regulates long-chain fatty acids (LCFA) metabolism in peripheral tissues. Recombinant mouse Acbp protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate buffer saline (pH7.4)

**Molecular Weight:** 12.4 kDa (110aa) confirmed by MALDI-TOF

**Purity:** > 95% by SDS-PAGE

**Concentration:** 1mg/ml (determined by Absorbance at 280nm)



15% SDS-PAGE (3ug)

**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MGSMSQAEFD KAAEEVKRLK TQPTDEMLF IYSHFKQATV GDVNTDRPGL LDLK GKAKWD SWNK LKGTSK  
ESAMKTYVEK VDELK KKYGI

**General references:**

Bouyakdan K., *et al.* (2015) *J Neurochem.* 133(2):253-65.

Manjithaya R., *et al.* (2010) *J Cell Biol.* 188(4):537-46.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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