

ACBP recombinant protein

ACBP, 1-87aa, Human, His tag, E Coli

CATALOG # AAA11779	HOST E Coli	APPLICATIONS SDS-Page
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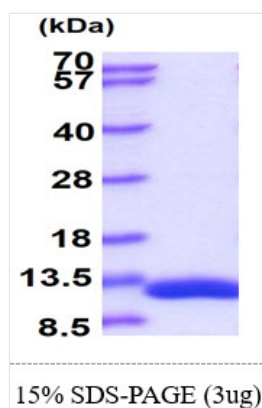
PRODUCT SYNONYMS

ACBP; 1-87aa; Human; His tag; E Coli; Acyl-CoA-binding protein; ACBD1; CCK-RP; EP; DBI; Diazepam Binding Inhibitor Protein; ACBP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	1-87aa
Sequence	MGSSHHHHH SSGLVPRGSH MSQAEFEKAA EEVRHLKTKP SDEEMLFYIY HYKQATVGDI NTERPGMLDF TGKAKWDOWN ELKGTSKEDA MKAYINKVEE LKKKYGI
Applicable Applications for ACBP recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C . Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for ACBP recombinant protein	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 PPARGgamma/RXRalpha and PPARalpha/RXRalpha, but not by 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.
Product Categories/Family for ACBP recombinant protein	Neuroscience
References	Folli F., et al. (2010) PLoS One. 5 (3):e9923. ; Manjithaya R., et al. (2010) J Cell Biol. 188 (4):537-46.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	120433590
NCBI GeneID	1622
NCBI Accession #	NP_001073331
NCBI GenBank Nucleotide #	NM_001079862.2
UniProt Accession #	P07108; P08869; Q4VWZ6; Q53SQ7; Q6IB48; Q9UCI8; B8ZWD2; B8ZWD6; B8ZWD7
Molecular Weight	12.2 kDa (107aa), confirmed by MALDI-TOF
NCBI Official Full Name	acyl-CoA-binding protein isoform 3
NCBI Official Synonym Full Names	diazepam binding inhibitor, acyl-CoA binding protein
NCBI Official Symbol	DBI
NCBI Official Synonym Symbols	EP; ACBP; ACBD1; CCK-RP
NCBI Protein Information	acyl-CoA-binding protein
UniProt Protein Name	Acyl-CoA-binding protein
UniProt Gene Name	DBI
UniProt Synonym Gene Names	ACBP; DBI; EP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.