

## Recombinant Human ACBP, His-tagged

Cat. No. ACBP-3046H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	ACBP
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	87
<b>Description</b>	<p>This gene encodes 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. The protein is conserved from yeast to mammals, with the most highly conserved domain consisting of seven contiguous residues that constitute the hydrophobic binding site for medium- and long-chain acyl-Coenzyme A esters. Diazepam binding inhibitor is also known to mediate the feedback regulation of pancreatic secretion and the postprandial release of cholecystokinin, in addition to its role as a mediator in corticotropin-dependent adrenal steroidogenesis. Three pseudogenes located on chromosomes 6, 8 and 16 have been identified. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p>
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 10% glycerol
<b>Molecular Mass</b>	12.2 kDa (107aa), confirmed by MALDI-TOF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>95% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Notes</b>	Small volumes of ACBP recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DBI diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) [ Homo sapiens ]</a>
<b>Official Symbol</b>	DBI
<b>Synonyms</b>	DBI; DBI; EP; ACBP; ACBD1; CCK-RP; ACBP; acyl-CoA-binding protein; endozepine; GABA receptor modulator; diazepam-binding inhibitor; acyl coenzyme A binding protein; acyl-Coenzyme A binding domain containing 1; cholecystokinin-releasing peptide, trypsin-sensitizediazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)
<b>Gene ID</b>	<a href="#">1622</a>
<b>mRNA Refseq</b>	<a href="#">NM_001079862</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Protein Refseq</b>	NP_001073331
<b>MIM</b>	125950
<b>UniProt ID</b>	P07108
<b>Chromosome Location</b>	2q12-q21
<b>Pathway</b>	PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem
<b>Function</b>	benzodiazepine receptor binding; fatty-acyl-CoA binding; lipid binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA