

Product datasheet for **AR09477PU-L**

DBI / ACBP (1-87, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	DBI / ACBP (1-87, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH</u> MSQAEFEKAA EEVRHLKTKP SDEEMLFYIG HYKQATVGDIN NTERPGMLDF TGKAKWDawn ELKGTskEDA MKAYINKVEE LKKKYGI
Tag:	His-tag
Predicted MW:	12.2 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ACBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001073331</u>
Locus ID:	1622
UniProt ID:	<u>P07108</u> , <u>B8ZWD2</u>
Cytogenetics:	2q14.2
Synonyms:	ACBD1; ACBP; CCK-RP; EP



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Summary:

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]

Protein Families:

Druggable Genome

Protein Pathways:

PPAR signaling pathway

Product images: