

## Recombinant Human DBI

Cat. No. DBI-28330TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human Diazepam Binding Inhibitor with proprietary tag; amino acids 1-87, 38kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-87 a.a.
<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.</p>
<b>Form</b>	Lyophilised:Reconstitute in 20mM HEPES, pH 7.0
<b>Purity</b>	Purified via GST Tag

 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>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM HEPES, pH 7.0
<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	DBI diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) [ Homo sapiens ]
<b>Official Symbol</b>	DBI
<b>Synonyms</b>	DBI; diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein); diazepam binding inhibitor (GABA receptor modulator, acyl Coenzyme A binding protein); acyl-CoA-binding protein; ACBD1; ACBP; endozepine;
<b>Gene ID</b>	1622
<b>mRNA Refseq</b>	NM_001178017
<b>Protein Refseq</b>	NP_001171488
<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;

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**Function**

benzodiazepine receptor binding; fatty-acyl-CoA binding; lipid binding;

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