Recombinant Human DBI Protein, GST-tagged

Cat. No. DBI-2367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DBI full-length ORF (NP_065438.1, 1 a.a. - 104 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	38.2 kDa
AA Sequence	MWGDLWLLPPASANPGTGTEAEFEKAAEEVRHLKTKPSDEEMLFIYGHYKQATVGD INTERPGMLDFTGKAKWDAWNELKGTSKEDAMKAYINKVEELKKKYGI

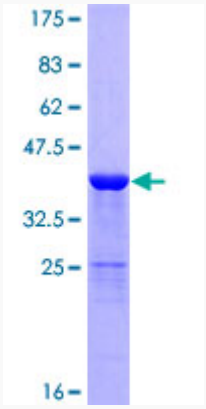
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DBI diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) [Homo sapiens]
Official Symbol	DBI
Synonyms	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; GABA receptor modulator; diazepam-binding inhibitor; acyl coenzyme A binding protein; acyl-Coenzyme A binding domain containing 1; cholecystokinin-releasing peptide, trypsin-sensitive; diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein); EP; CCK-RP; MGC70414;
Gene ID	1622
mRNA Refseq	NM_001079862
Protein Refseq	NP_001073331

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MIM	125950
UniProt ID	P07108
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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