

Recombinant Human DBI Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DBI-3201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DBI MS Standard C13 and N15-labeled recombinant protein (NP_065438) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	11.8 kDa
AA Sequence	MWGDLWLLPPASANPGTGTEAEFEKAAEEVRHLKTKPSDEEMLFIYGHYKQATVGD

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	INTERPGMLDFTGKAKWDAWNELKGTSKEDAMKAYINKVEELKKKYGITRTRPLEQK LISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	DBI diazepam binding inhibitor, acyl-CoA binding protein [Homo sapiens (human)]
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_020548

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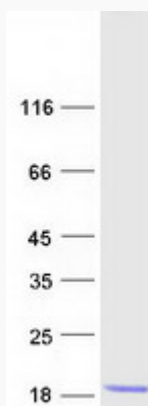
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Protein Refseq NP_065438

MIM 125950

UniProt ID P07108

SDS-PAGE



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