

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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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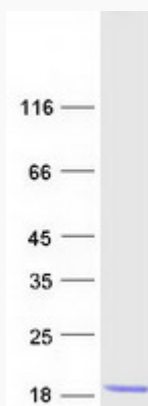
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_065438

MIM 125950

UniProt ID P07108

SDS-PAGE



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