

Recombinant Full Length Human DBI Protein, C-Flag-tagged

Cat. No. DBI-1107HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DBI Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	11.6 kDa
AA Sequence	MWGDWLWLLPPASANPGTGTEAEFEKAAEEVRHLKTKPSDEEMLFIYGHYKQATVGD

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	INTERPGMLDFTGK AKWDAWNELKGTSKEDAMKAYINKVEELKKKYGITRTRPLEQKLISEEDLAANDILDY KDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	PPAR signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	DBI diazepam binding inhibitor, acyl-CoA binding protein [Homo sapiens (human)]
Official Symbol	DBI
Synonyms	EP; ACBP; ACBD1; CCK-RP
Gene ID	1622

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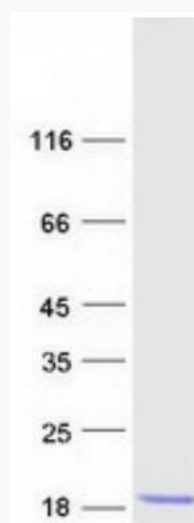
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mRNA Refseq [NM_020548.9](#)

Protein Refseq [NP_065438.1](#)

MIM [125950](#)

UniProt ID [P07108](#)



Coomassie blue staining of purified DBI protein.

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