
Product Data Sheet

Product Name: DBI Human
 Cat. No.: GP23292
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ACBP; ACBD1; CCK-RP; EP; DBI; EP; MGC70414; Acyl-CoA-binding protein; GABA receptor modulator.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSQAEFEKAA EEVRHLKTKP SDEMLFIYG HYKQATVGDI NTERPGMLDF TGKAKWDawn ELKGTSKEDA MKAYINKVEE LKKKYGI.		
Formulation	DBI Human solution containing 20mM Tris-HCl pH-8, 0.1M NaCl & 10% glycerol.		

Introduction

DBI, also known as Acyl-CoA-binding protein isoform 2, is a binding inhibitor, which is regulated by hormones. DBI participates in lipid metabolism and in the displacement of beta-carbolines & benzodiazepines, which modulate signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. Moreover, during adipocyte differentiation the expression of DBI is significantly induced. DBI performs as an acyl-CoA pool former and regulates LCFA (long-chain fatty acids) metabolism in peripheral tissues.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DBI Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 107 amino acids (1-87a.a.) and having a molecular mass of 12.2kDa. DBI protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard

Caution: Product has not been fully validated for medical applications. For research use only.

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