

## 32-13190: DBI Mouse

**Alternative Name :** Acyl-CoA-binding protein, ACBP, Diazepam-binding inhibitor, DBI, Endozepine, EP, Dbi.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

DBI, also known as Acyl-CoA-binding protein isoform 2, is a diazepam 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 preforms as an acyl-CoA pool former and regulates LCFA (long-chain fatty acids) metabolism in peripheral tissues.

DBI Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 110 amino acids (1-87 a.a) and having a molecular mass of 12.4kDa. DBI is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	5 µg / 20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	DBI protein solution (1mg/ml) contains Phosphate buffer saline (pH7.4).
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSMQAEDF KAAEEVKRLK TQPTDEEMLF IYSHFKQATV GDVNTDRPGL LDLKGKAKWD SWNKLKGTSK ESAMKTYVEK VDELKKKYGI