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## Product Data Sheet

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Product Name: FABP1 Mouse, His

Cat. No.: GP23444

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fatty acid-binding protein 1 liver; L-FABP; FABPL; FABP-1; FABP1; Z-protein; Fatty acid-binding protein; liver.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMNFSGKY QLQSQENFEP FMKAIGLPED LIQKGKDIKG VSEIVHEGKK IKLTITYGPK VVRNEFTLGE ECELETMTGE KVKAVVKLEG DNKMVTTFKG IKSVELNGD TITNTMTLGD IVYKRVSKRI.		
Formulation	The FABP1 solution (0.25mg/ml) contains PBS (pH7.4), 20% glycerol and 1mM DTT.		

**Introduction**

FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel beta strands that form a barrel with a bigger binding pocket than the other FABPs allowing it to accommodate two fatty acid. This protein binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm; it may be involved in intracellular lipid transport and metabolism.

**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**

FABP1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 150 amino acids (1-127 a.a.) and having a molecular mass of 16.6 kDa. The FABP1 is fused to a 23 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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

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