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## Product Data Sheet

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Product Name: FABP1 Mouse  
 Cat. No.: GP23443  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Fatty acid-binding protein 1 liver; L-FABP; FABPL; FABP-1; FABP1; Z-protein.		
Amino Acid Sequence	MNFSGKYQLQ SQENFEPFMK AIGLPEDLIQ KGKDIKGVSE IVHEGKKIKL TITYGPKVVR NEFTLGEECE LETMTGEKVK AVVKLEGDNK MVTTFKGIKS VTELANGDTIT NTMTLGDIVY KRVSKRI.		
Solubility	It is recommended to reconstitute the lyophilized FABP1 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.		

### 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

Lyophilized FABP1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution FABP1 should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

### Background

Fatty Acid Binding Protein-1 Recombinant Mouse produced in E.Coli is a single, non-

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

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glycosylated polypeptide chain containing 127 amino acids and having a molecular mass of 14.2kDa. The FABP1 is purified by proprietary chromatographic techniques.

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