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**Product Data Sheet**


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Product Name: FABP1 Rat  
 Cat. No.: GP23445  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fatty acid-binding protein; liver; Fatty acid-binding protein 1; Liver-type fatty acid-binding protein; L-FABP; Squalene- and sterol-carrier protein; SCP; Z-protein; p14; Fabp1; Fabplg; FABP1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMNFSGKY QVQSQENFEP FMKAMGLPED LIQKGKDIKG VSEIVHEGKK VKLTITYGSK VIHNEFTLGE ECELETMTGE KVKAVVKMEG DNKMVTTFKG IKSVTEFNGD TITNTMTLGD IVYKRVSKRI.		
Formulation	The FABP1 solution (1mg/1ml) contains phosphate buffered saline (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 Rat Recombinant produced in E. coli is a single non-glycosylated polypeptide chain containing 150 amino acids (1-127) and having a molecular mass of 16.7kDa. FABP1 is fused to a 23 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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