
Product Data Sheet

Product Name: FABP1 Human, His
 Cat. No.: GP23442
 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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSFSGKYQLQ SQENFEAFMK AIGLPEELIQ KGKDIKGVSEIVQNGKHFKF TITAGSKVIQ NEFTVGEECE LETMTGEKVK TVVQLEGDNK LVTTFKNIKSVTELNGDIIT NTMTLGDIVF KRISKRI.		
Formulation	The protein solution (1mg/ml) contains 20mM Tris-HCl pH-8.		

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). Please prevent freeze-thaw cycles.

Background

FABP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing a total of 147 amino acids (1-127 a.a) and having a molecular mass of 16 kDa. The protein is fused to a 20 a.a His-Tag at N-terminus. The FABP-1 is purified by proprietary chromatographic techniques.

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

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