
Product Data Sheet

Product Name: FABP2 Human, His
 Cat. No.: GP23448
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fatty acid-binding protein 2; IFABP; I-FABP; FABPI; FABP-2; Fatty acid-binding protein intestinal; FABP2; MGC133132.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSHMAFDSTWKVD RSENYDKFME KMGVNIVKRK LAAHDNLKLT ITQEGNKFTV KESSAFRNIE VVFELGVTFN YNLADGTELR GTWSLEGNKL IGKFKRTDNG NELNTVREII GDELVQTYVY EGVEAKRIFK KD		
Formulation	FABP2 His-Tag is supplied in 20mM Tris-HCl pH 8 and 10% glycerol.		

Introduction

FABP multigene family has almost 20 known members. FABPs are divided into 3 different types: hepatic, intestinal and cardiac which form 14-15 kDa proteins that take part in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. FABPs are involved in the modulation of cell growth and proliferation. Intestinal FABP (FABP2) gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance. High serum levels of FABP2 in ulcerative colitis indicates ileitis. FABP2 has part in triglyceride-rich lipoprotein synthesis. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 helps maintain energy homeostasis by functioning as a lipid sensor.

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. Please avoid freeze thaw cycles.

Background

FABP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 132 amino acids and having a molecular mass of 17.3kDa. FABP2 is fused to a 20 aa His tag at N-terminus and purified by standard chromatography techniques.

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