Product Data Sheet

Product Name:	FABP6 Human
Cat. No.:	GP23456
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	I-BABP; ILBP; I-15P; I-BAP; ILBP3; ILLBP; I-BABP; I-BALB; FABP-6; Gastrotropin; Ileal lipid-binding protein; Intestinal 15 kDa protein; Intestinal bile acid-binding protein; Fatty acid-binding protein 6; FABP6.		
Amino Acid Sequence	MAFTGKFEME SEKNYDEFMK LLGISSDVIE KAHNFKIVTE VQQDGQDFTW SQHYYGGHTM TNKFTVGKES NIQTMGGKTF KATVQMEGGK LVVNFPNYHQ TSEIVGDKLV EVSTIGGVTY ERVSKRLA.		
Formulation	The FABP6 protein solution contains 1xPBS pH-7.4 and 10% Glycerol.		

Introduction

FABP6 also called ileal fatty acid binding protein, is part of the small family of highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP6 cytosolic protein binds bile acid. FABP6 plays a role in fatty acid uptake, transport, and metabolism. FABP6 stimulates gastric acid and pepsinogen secretion. seems to be able to bind to bile salts and bilirubins.FABP6 expression is restricted in the small intestine to the ileum where it is involved in the enterohepatic circulation of bile acids. Alternate transcription promoters generate 2 transcript variants, encoding a 128 aa and a 177 aa residue protein. Human FABP6 isoform 2 contains 128 amino acid residues and is acetylated on Ala2. FABP6 binds together fatty acids and bile acids and is directly involved in fatty acid 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

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FABP6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids and having a molecular mass of 14 kDa.

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