
Product Data Sheet

Product Name: FABP5 Human, His

Cat. No.: GP23455

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fatty acid-binding protein epidermal; E-FABP; Fatty acid-binding protein 5; Psoriasis-associated fatty acid-binding protein homolog; PA-FABP; FABP5; EFABP; PAFABP.		
Formulation	FABP5 His-Tag is supplied in 20mM Tris HCl pH-8 and 50% glycerol.		

Introduction

Human Fatty Epidermal Acid Binding Protein FABP also called FABP-5 is a 15 kD member of the intracellular fatty acid binding protein (FABP) family, which is known for the ability to bind fatty acids and related compounds (bile acids or retinoids). In an internal cavity. The fatty acid binding proteins aP2 (fatty acid binding protein [FABP]-4) and mal1 (EFABP) are closely related and both are expressed in adipocytes. Absence of EFABP/mal1 resulted in increased systemic insulin sensitivity in two models of obesity and insulin resistance. Adipocytes isolated from mal1-deficient mice also exhibited enhanced insulin-stimulated glucose transport capacity. In contrast, mice expressing high levels of mal1 in adipose tissue display reduced systematic insulin activity.

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

FABP5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 135 amino acids and having a molecular mass of 19.66kDa. FABP5 is fused to His tag at N-terminus and purified by standard chromatography techniques.

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

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