



Product Datasheet

Product Name	Epidermal Fatty Acid Binding Protein Human Recombinant
Cata No	CB5001038
Source	<i>Escherichia Coli.</i>
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.

Description

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.

Recombinant Human Epidermal Fatty Acid Binding Protein (FABP-5) is a monodimeric, non-glycosylated, polypeptide chain containing 135 amino acids and having a total molecular mass of 15200 Daltons.

Physical Appearance

Sterile Filtered lyophilized (freeze-dried) powder.

Purity

Greater than 90% as determined by SDS PAGE.

Formulation

Sterile filtered and lyophilized from 0.5 mg/ml in phosphate buffered saline.

Reconstitution

Add 0.2 ml of dH₂O and let the lyophilized pellet dissolve completely.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to **avoid freeze-thaw cycles**. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized protein remains stable until the expiry date when stored at -20°C.

Applications

Western blotting, ELISA

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