

# Recombinant Human Fatty Acid Binding Protein (Adipocyte), His-tagged

**Cat. No.** FABP4-268H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human A-FABP comprises a 132 amino acid fragment (1-132) corresponding to the human adipocyte FABP protein and is expressed in E. coli with an amino-terminal hexahistidine tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-132 a.a.
<b>Description</b>	Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins (14-15kDa) that bind long chain fatty acids, their CoA derivatives, bilirubin, organic anions and other small hydrophobic molecules. A-FABP (or FABP-4) is a fat cell specific protein that is considered to facilitate the bidirectional flux of fatty acids into and out of the adipocyte in response to insulin and epinephrine.
<b>Purity</b>	>95% by SDS-PAGE
<b>Form</b>	Liquid
<b>Storage</b>	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.

## GENE INFORMATION

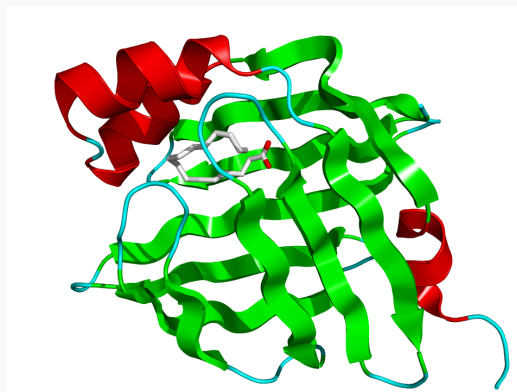
 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene Name</b>	FABP4 fatty acid binding protein 4, adipocyte [ Homo sapiens ]
<b>Synonyms</b>	Fatty Acid Binding Protein, Adipocyte; FABP-4; Adipocyte lipid-binding protein; A-FABP; ALBP; Adipocyte Bindng Protein AP2;FABP4; fatty acid binding protein 4, adipocyte; aP2; A-FABP; AFABP; Adipocyte lipid-binding protein; Fatty acid-binding protein 4.
<b>Gene ID</b>	2167
<b>mRNA Refseq</b>	NM_001442
<b>Protein Refseq</b>	NP_001433
<b>MIM</b>	600434
<b>UniProt ID</b>	P15090
<b>Chromosome Location</b>	8q21
<b>Function</b>	fatty acid binding; protein binding; transcription repressor activity; transporter activity

**Crystallographic structure (PDB2HNX) of palmitic acid (white sticks) complexed with aP2 (beta sheets= green, alpha helices= red, loops = cyan)**



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