

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

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

SPECIFICATION

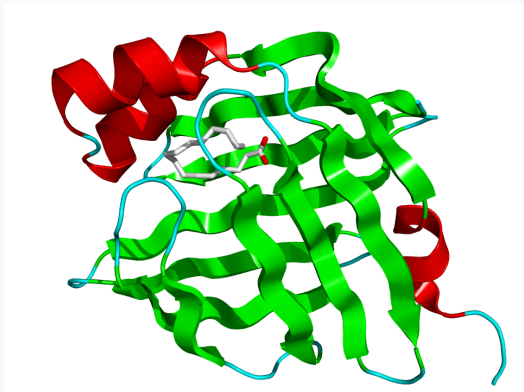
Product Overview	Recombinant Human A-FABP comprises a 132 amino acid fragment (1-132) corresponding to the human adipocyte FABP protein and is expressed in E. coli with an amino-terminal hexahistidine tag.
Species	Human
Source	E.coli
ProteinLength	1-132 a.a.
Description	Fatty acid binding proteins are 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.
Purity	>95% by SDS-PAGE
Form	Liquid
Storage	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

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Gene Name	FABP4 fatty acid binding protein 4, adipocyte [Homo sapiens]
Synonyms	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.
Gene ID	2167
mRNA Refseq	NM_001442
Protein Refseq	NP_001433
MIM	600434
UniProt ID	P15090
Chromosome Location	8q21
Function	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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