

# Recombinant Human Fatty Acid Binding Protein 1, His-tagged

**Cat. No.** FABP1-373H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human FABP1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 16kDa (147aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-127 aa
<b>Description</b>	FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel $\beta$ strands that form a barrel with a bigger binding pocket than the other FABPs allowing it to accommodate two fatty acid. This protein binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm; it may be involved in intracellular lipid transport and metabolism.
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MSFSGKYQLQ SQENFEAFMK AIGLPEELIQ KGKDIKGVSE IVQNGKHFKF TITAGSKVIQ NEFTVGEECE LETMTGEKVK TVVQLEGDNK LVTTFKNIKS VTELNGDIIT NTMTLGDIVF KRISKRI
<b>Formulation</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0)
<b>Purity</b>	> 95% by SDS - PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)

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**Endotoxin Level** < 1.0 EU per 1ug of protein (determined by LAL method)

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [FABP1 fatty acid binding protein 1, liver \[ Homo sapiens \]](#)

**Synonyms** FABP1; fatty acid binding protein 1, liver; FABPL; L-FABP; Fatty acid-binding protein, liver

**Gene ID** [2168](#)

**mRNA Refseq** [NM\\_001443](#)

**Protein Refseq** [NP\\_001434](#)

**MIM** [134650](#)

**UniProt ID** [P07148](#)

**Chromosome Location** 2p11

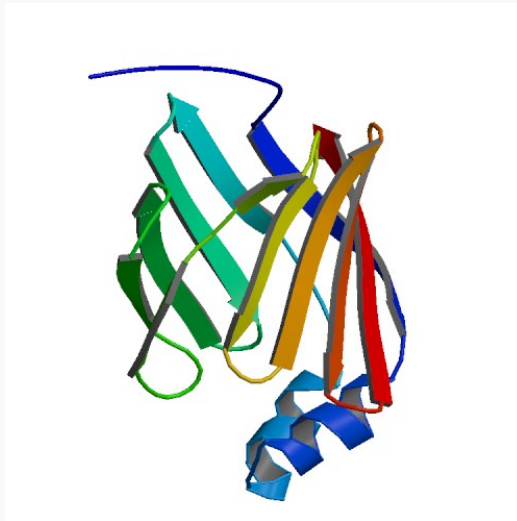
**Function** chromatin binding; lipid binding; transporter activity

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PDB rendering based  
on 2f73.



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