

Recombinant Human Fatty Acid Binding Protein 1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human FABP1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 16kDa (147aa).
Species	Human
Source	E.coli
ProteinLength	1-127 aa
Description	FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel β 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.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSFSGKYQLQ SQENFEAFMK AIGLPEELIQ KGKDIKGVSE IVQNGKHFKF TITAGSKVIQ NEFTVGEECE LETMTGEKVK TVVQLEGDNK LVTTFKNIKS VTELNGDIIT NTMTLGDIVF KRISKRI
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0)
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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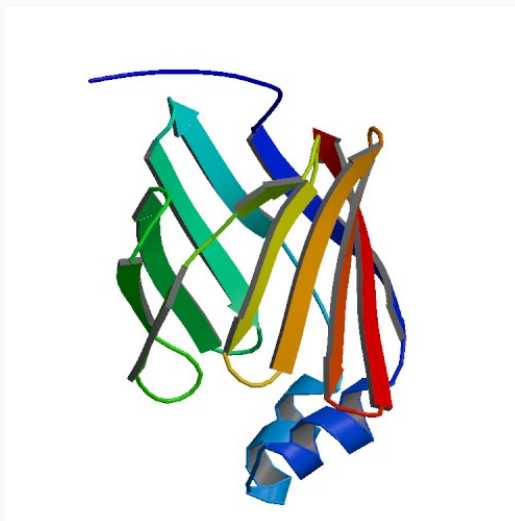
Endotoxin Level	< 1.0 EU per 1ug of protein (determined by LAL method)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	FABP1 fatty acid binding protein 1, liver [Homo 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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