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

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

## SPECIFICATION

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| **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

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| **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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