

# Recombinant Human Fatty Acid Binding Protein 1, Liver

**Cat. No.** FABP1-119H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Fatty Acid Binding protein is expressed in <i>E.Coli</i> and has a molecular mass of 15 kDa. The rHuGPBB is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	FABP is a newly introduced plasma marker of acute myocardial infarction (AMI). The plasma kinetics of FABP (15kD) closely resemble those of myoglobin in that elevated plasma concentrations are found within 2 hours after AMI and return to normal generally within 18 to 24 hours. But the concentration of FABP in the skeletal muscle is 20 times lower than in cardiac tissue (for myoglobin the same content for cardiac and skeletal tissue), that makes FABP to be more cardiac specific than myoglobin. This makes FABP a useful biochemical marker for the early assessment or exclusion of AMI. FABP also appears to be a useful plasma marker for the estimation of myocardial infarct size.
<b>Physical Appearance</b>	Sterile Filtered colourless liquid formulation.
<b>Formulation</b>	Each 2.5mg/ml of protein protein contains 50% glycerol.
<b>Purity</b>	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained.

 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>Dimers And Aggregates</b>	Less than 1% as determined by silver stained SDS-PAGE gel analysis.
<b>Endotoxin</b>	Less than 0.1 ng/g (IEU/g) of rHuFABP.
<b>Applications</b>	Immunoassays and western blot.
<b>Stability</b>	The rHuFABP although stable at 10°C for 7 days, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	FABP1 fatty acid binding protein 1, liver [ Homo sapiens ]
<b>Synonyms</b>	FABP1; fatty acid binding protein 1, liver; FABPL; L-FABP; Fatty acid-binding protein, liver
<b>Gene ID</b>	2168
<b>mRNA Refseq</b>	NM_001443
<b>Protein Refseq</b>	NP_001434
<b>UniProt ID</b>	P07148
<b>Chromosome Location</b>	2p11
<b>MIM</b>	134650
<b>Pathway</b>	PPAR signaling pathway

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**Function**

bile acid binding; chromatin binding; drug binding; fatty acid binding; long-chain fatty acid transporter activity; phospholipid binding; transporter activity

**PDB rendering based on 2f73.**



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