

Recombinant Human Fatty Acid Binding Protein 1, Liver

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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.
Physical Appearance	Sterile Filtered colourless liquid formulation.
Formulation	Each 2.5mg/ml of protein protein contains 50% glycerol.
Purity	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.

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Dimers And Aggregates	Less than 1% as determined by silver stained SDS-PAGE gel analysis.
Endotoxin	Less than 0.1 ng/g (IEU/g) of rHuFABP.
Applications	Immunoassays and western blot.
Stability	The rHuFABP although stable at 10°C for 7 days, should be stored desiccated below -18°C. Please prevent freeze-thaw 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
UniProt ID	P07148
Chromosome Location	2p11
MIM	134650
Pathway	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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