

FABP1, 1-127 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02070

3th Edition

Synonyms:Fatty acid binding protein 1, Fatty acid-binding protein, liver, FABPL, L-FABP

Description:FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel α 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. Recombinant human FABP1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0)

Molecular Weight:16kDa (147aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSFSGKYQLQSQENFEAFMKAIGLPEELIQKGKDIKGVSEIVQNGKHFKFTITAGS
KVIQNEFTVGEECELETMTGEKVKTVVQLEGDNKLVTTFKNIKSVTELNGDIITNTMTLGDIVFKRISKRI

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug 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.