



## Product Datasheet

<b>Product Name</b>	Fatty Acid Binding Protein-1 Human Recombinant
<b>Cata No</b>	CB501199
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Fatty acid-binding protein 1 liver, L-FABP, FABPL, FABP-1, FABP1, Z-protein.

### Description

FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel  $\beta$  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. FABP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 147 amino acids and having a molecular mass of 16 kDa. The protein is fused to His-Tag and N-terminus.

The FABP-1 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered colorless solution.

### Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

The protein solution contains 20mM Tris-HCl pH-8.

### Stability

FABP-1 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Sequence

MGSSHHHHHH SSGLVPRGSH MSFSGKYQLQ  
SQENFEAFMK AIGLPEELIQ  
KGKDIKGVSEIVQNGKHFKF TITAGSKVIQ  
NEFTVGEECE LETMTGEKVK TVVQLEGDNK  
LVTTFKNIKSVTELNGDIIT NTMTLGDIVF KRISKRI