

## 32-3787: mFABP1 Recombinant Protein

**Alternative Name :** Fatty acid-binding protein 1 liver,L-FABP,FABPL,FABP-1,FABP1,Z-protein.

### Description

Source : Escherichia Coli. Fatty Acid Binding Protein-1 Recombinant Mouse produced in E.Coli is a single, non-glycosylated polypeptide chain containing 127 amino acids and having a molecular mass of 14.2kDa. The FABP1 is purified by proprietary chromatographic techniques. 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.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MNFSGKYQLQ SQENFEPFMK AIGLPEDLIQ KGKDIKGVSE IVHEGKKIKL TITYGPKVVR NEFTLGEECE LETMTGEKVK AVVKLEGDNK MVTTFKGIKS VTELNQDTIT NTMTLGDIVY KRVSKRI.

### Application Note

It is recommended to reconstitute the lyophilized FABP1 in sterile 18MΩ·cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

