

## 32-7115: Recombinant Human Fatty Acid-Binding Protein 1/FABP1/L-FABP (N-6His)

**Gene :** FABP1  
**Gene ID :** 2168  
**Uniprot ID :** P07148

### Description

Source: E.coli.  
MW :16.37kD.

Recombinant Human FABP1 is produced by our E.coli expression system and the target gene encoding Met1-Ile127 is expressed with a 6His tag at the N-terminus. Human Fatty Acid-Binding Protein 1 (FABP1) is a cytoplasm protein, which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP1 forms a beta-barrel structure that accommodates hydrophobic ligands in its interior. FABP1 can bind free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm, so it can be involved in intracellular lipid transport.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMSFSGKYQLQSQENFEAFMKAIGLPEELIQKGDIKGVSEIVQNGKHKFTITA GSKVIQNEFTVGEECELETMTGEKVKTVVQLEGDNKLVTTFKNIKSVTELNGLDIIITNTMTLGDIVFKRISKRI

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.