

## 32-7116: Recombinant Human Fatty Acid-Binding Protein 2/FABP2/I-FABP ((N, C-6His)

**Gene :** FABP2  
**Gene ID :** 2169  
**Uniprot ID :** P12104

### Description

Source: E.coli.  
MW :18.44kD.

Recombinant Human FABP2 is produced by our E.coli expression system and the target gene encoding Met1-Asp132 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus. Fatty Acid-Binding Protein 2 (FABP2) is a cytoplasm protein that belongs to the Fatty-acid binding protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP2 is expressed in the small intestine and at much lower levels in the large intestine, the highest expression levels in the jejunum. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis and may also help maintain energy homeostasis by functioning as a lipid sensor.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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 :** MGSSHHHHHSSGLVPRGSHMAFDSTWKVDRSENYDKFMEKMGVNIKVKRKLAAHDNLKLTITQEGNKFTVK  
ESSAFRNIEVVFELGVTFNYNLADGTELRTWSLEGNKLIGKFKRTDNGNELNTVREIIGDELVQTYVYEGVEAK  
RIFKKDLEHHHHHH

### 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.