



## Product Datasheet

<b>Product Name</b>	Fatty Acid Binding Protein-6 Human Recombinant
<b>Cata No</b>	CB501505
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	I-BABP, ILBP, I-15P, I-BAP, ILBP3, ILLBP, I-BABP, I-BALB, FABP-6, Gastrotropin, Ileal lipid-binding protein, Intestinal 15 kDa protein, Intestinal bile acid-binding protein, Fatty acid-binding protein 6, FABP6.

### Description

FABP6 also called ileal fatty acid binding protein, is part of the small family of highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP6 cytosolic protein binds bile acid. FABP6 plays a role in fatty acid uptake, transport, and metabolism. FABP6 stimulates gastric acid and pepsinogen secretion. FABP6 seems to be able to bind to bile salts and bilirubins. FABP6 expression is restricted in the small intestine to the ileum where it is involved in the enterohepatic circulation of bile acids. Alternate transcription promoters generate 2 transcript variants, encoding a 128 aa and a 177 aa residue protein. Human FABP6 isoform 2 contains 128 amino acid residues and is acetylated on Ala2. FABP6 binds together fatty acids and bile acids and is directly involved in fatty acid transport and metabolism. FABP6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids and having a molecular mass of 14 kDa.

### 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 FABP7 protein solution contains 1xPBS pH-7.4 and 10% Glycerol.

### Stability

FABP6 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

MAFTGKFEME SEKNYDEFMK LLGISSDVIE  
KAHNFKIVTE VQQDGQDFTW SQHYGGGHTM  
TNKFTVGKES NIQTMGGKTF KATVQMEGGK  
LVVNFPNYHQ TSEIVGDKLV EVSTIGGVITY  
ERVSKRLA.