

## 32-7199: Recombinant Human Fatty Acid-Binding Protein 6/FABP6/I-BABP (N-6His)

**Gene :** FABP6  
**Gene ID :** 2172  
**Uniprot ID :** P51161

### Description

Source: E.coli.  
MW :16.6kD.

Recombinant Human FABP6 is produced by our E.coli expression system and the target gene encoding Met1-Ala128 is expressed with a 6His tag at the N-terminus. Fatty Acid-Binding Protein 6 (FABP6) is cytoplasmic protein that binds long-chain fatty acids and other hydrophobic ligands which belongs to the calycin superfamily. FABP6 expression is restricted in the small intestine to the ileum where it is involved in the enterohepatic circulation of bile acids. FABP6 forms a beta-barrel structure that accommodates the hydrophobic ligand in its interior. Isoform 2 is expressed in colorectal adenocarcinomas and their adjacent normal mucosa (at protein level). Isoform 1 is expressed in the jejunum, ileum, cecum and ascending colon intestine. FABP6 plays a role in fatty acid uptake, transport, and metabolism. FABP6 stimulates gastric acid and pepsinogen secretion. It seems to be able to bind to bile salts and bilirubins.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 0.5mM DTT, 50% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMAFTGKFEMESEKNYDEFMKLLGISSDVIEKAHNFKIVTEVQQDGDFTWSQ  
HYYGGHTMTNKFTVGKESNIQTMGGKTFKATVQMEGGKLVVNFNPNYHQTSEIVGDKLVEVSTIGGVTYERVSK  
RLA

### Application Note

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