

# Recombinant Human Fatty Acid Binding Protein-6, His-tagged

Cat. No. FABP6-4347H Lot. No. (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | FABP6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids and having a molecular mass of 18 kDa. FABP6 is fused to His tag at N-terminus and purified by standard chromatography techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. 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. |
| <b>Form</b>             | FABP6 His-Tag is supplied in 20mM Tris HCL pH=8, 0.5mM DTT and 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical Appearance</b> | Sterile Filtered colorless liquid formulation.                                                                                                                                                                                                                                                                                       |
| <b>Storage</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. Please avoid freeze thaw cycles.                                                                                                                                                                                       |
| <b>Functions</b>           | fatty acid binding; transporter activity                                                                                                                                                                                                                                                                                             |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>           | FABP6 fatty acid binding protein 6, ileal [ Homo sapiens ]                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>     | FABP6                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | FABP6; I-15P; I-BABP; I-BALB; I-BAP; ILBP; ILBP3; ILLBP; fatty acid binding protein 6, ileal; gastrotropin; OTTHUMP00000160846; ileal lipid-binding protein; ileal bile acid binding protein; GT; Fatty acid-binding protein 6; Intestinal 15 kDa protein; Intestinal bile acid-binding protein; fatty acid binding protein 6, ileal |
| <b>Gene ID</b>             | 2172                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>         | NM_001040442                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_001035532                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | 600422                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | P51161                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 5q33.3-q34                                                                                                                                                                                                                                                                                                                           |

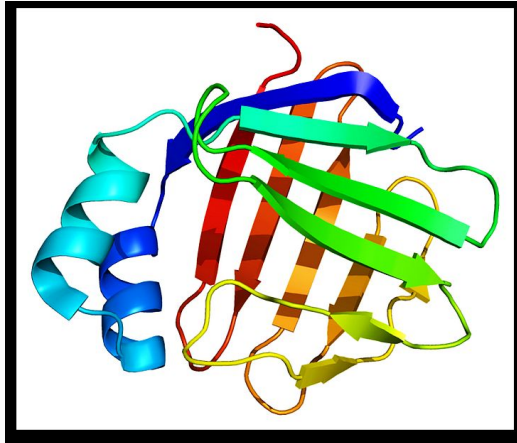
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