



# Recombinant Protein Technical Manual

**Recombinant Human FABP6/I-BABP Protein (His Tag)**  
RPES2775

## Product Data:

**Product SKU:** RPES2775

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P51161

## Protein Information:

**Molecular Mass:** 16.6 kDa

**AP Molecular Mass:** 15 kDa

**Tag:** N-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 0.5mM DTT, 50% Glycerol, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Gastrotropin; GT; Fatty Acid-Binding Protein 6; Ileal Lipid-Binding Protein; ILBP; Intestinal 15 kDa Protein; I5P; Intestinal Bile Acid-Binding Protein; I-BABP; FABP6; ILBP; ILLBP

## Immunogen Information:

**Sequence:** Met1-Ala128

## Background:

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.