

# Human FABP6 / I-BABP Protein



Sino Biological  
Biological Solution Specialist

Catalog Number: 12579-HNAE

## General Information

### Gene Name Synonym:

I-15P; I-BABP; I-BALB; I-BAP; ILBP; ILBP3; ILLBP

### Protein Construction:

A DNA sequence encoding the human FABP6 (AAH22489.1) (Met 1-Ala 128) was expressed and purified.

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 98 % as determined by SDS-PAGE

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Met 1

### Molecular Mass:

The recombinant human FABP6 consisting of 128 amino acids and has a calculated molecular mass of 14.4 kDa as estimated in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile PBS, pH 7.5

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

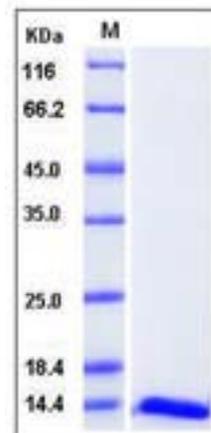
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

Gastrotropin, also known as Fatty acid-binding protein 6, Ileal lipid-binding protein, ILBP, Intestinal 15 kDa protein, Intestinal bile acid-binding protein, I-BABP and FABP6, is a cytoplasm protein which belongs to the calyculin superfamily and Fatty-acid binding protein (FABP) family. Isoform2 of FABP6 is expressed in colorectal adenocarcinomas and their adjacent normal mucosa (at protein level). Isoform1 of FABP6 is expressed in the jejunum, ileum, cecum and ascending colon intestine. Isoform2 is expressed in the gallbladder, duodenum, jejunum, ileum, cecum, ascending, transverse and descending colon, sigmoid colon and rectum. FABP6 / I-BABP is a cancer-related protein that acts as an intracellular transporter of bile acid in the ileal epithelium. FABP6 / I-BABP may also play an important role in early carcinogenesis.

## References

1.Kurz M., et al., 2003, Proteins 50:312-328. 2.Ohmachi,T. et al., 2006, Clin Cancer Res.12 (17):5090-5. 3.Fang C., et al., 2007, Cancer Res. 67:9039-9046.

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