Recombinant human FABP6 protein

Catalog Number: FAB0804

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-128aa

UniProt No.
P51161

NCBI Accession No.
AAH22489

Alternative Names
Fatty acid binding protein 6, I-BABP, I-15P, ILLBP, ILBP, ILBP3, I-BAP, I-BALB, Fatty acid binding protein 6, Gastrotropin, FABP6, Fatty acid binding protein 6 Fatty acid binding protein 6, ileal (gastrotropin), GT, I 15P, I BABP, I BALB, I BAP, I15P, IBABP, IBALB, IBAP, ILBP, Ileal lipid binding protein, Intestinal 15 kDa protein, Intestinal bile acid binding protein.

PRODUCT SPECIFICATION

Molecular Weight
14 kDa (128aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
FABP-6 is a cytosolic protein that binds bile acids with a high affinity. In the small intestine, its expression is restricted to the ileum where it is involved in the enterohepatic circulation of bile acids. Alternate transcription promoters generate two transcript variants, encoding a 128 aa and a 177 aa residue protein. Human FABP6

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isoform 2 contains 128 amino acid residues and is believed to be acetylated on Ala2. It binds both fatty acids and bile acids and has roles in fatty acid transport and metabolism. Recombinant human FABP-6 was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

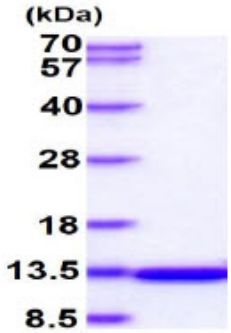
MAFTGKFEME SEKNYDEFMK LLGISSDVIE KAHNFKIVTE VQQDGQDFTW SQHYYGGHTM TNKFTVGKES NIQTMGGKTF KATVQMEGGK LVVNFPNYHQ TSEIVGDKLV EVSTIGGVTY ERVSKRLA

General References

Ohmachi T., et al. (2006). Clin Cancer Res. Sep 1 12(17):5090-5.
Grober J., et al. (1999) J Biol Chem. Oct 15 274(42):29749-54.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.