Data Sheet (Cat.No.TMPJ-00529)

TargetMol

FABP6 Protein, Human, Recombinant (His)

General Information

Synonyms:	Ileal Lipid-Binding Protein;I-BABP;Intestinal Bile Acid-Binding Protein;Gastrotropin;Intestinal 15 kDa Protein;GT;FABP6;Fatty Acid-Binding Protein 6;I-15P;ILLBP;ILBP
Protein Construction:	Met1-Ala128
Species:	Human
Expression Host:	E. coli
Accession:	AAH22489.1
Molecular Weight:	15 KDa (reducing condition)
AA Sequence:	Met1-Ala128

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 mM DTT, 50% Glycerol, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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