

RP02173

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Recombinant Human FABP2/I-FABP Protein

Catalog No.: RP02173

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2169	P12104

Tags

C-His

Synonyms

FABP2;FABPI;I-FABP; I-FABP

Background

Fatty Acid-Binding Protein 2 (FABP2) is a cytoplasm protein that belongs to the Fatty-acid binding protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP2 is expressed in the small intestine and at much lower levels in the large intestine, the highest expression levels in the jejunum. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis and may also help maintain energy homeostasis by functioning as a lipid sensor.

Basic Information

Description

Recombinant Human FABP2/I-FABP Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Asp132) of human FABP2 (Accession #P12104) fused with a 6xHis tag at the N-terminus and a 6xHis tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Product Information

Source	Purification
E. coli	> 95% by SDS-PAGE.

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

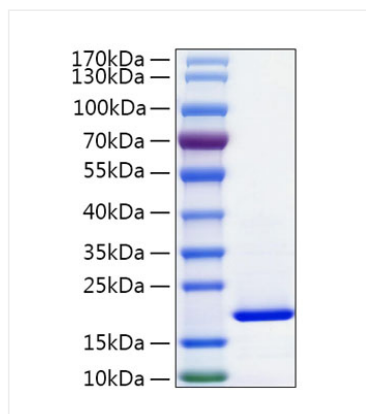
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human FABP2/I-FABP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 17kDa.