

Recombinant Human FABP2/I-FABP Protein

Catalog No.: RP02173S **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2169	P12104

Tags

N-His

Synonyms

FABP2; FABPI; Fatty acid-binding protein; intestinal; Fatty acid-binding protein 2; Intestinal-type fatty acid-binding protein; I-FABP

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
15.95 kDa	15-20 kDa

Endotoxin

< 0.01EU/ μ g of the protein by LAL method

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial 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 free-thaw cycles.

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Background

FABP2/I-FABP, FABPs are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. Binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor.

Basic Information

Description

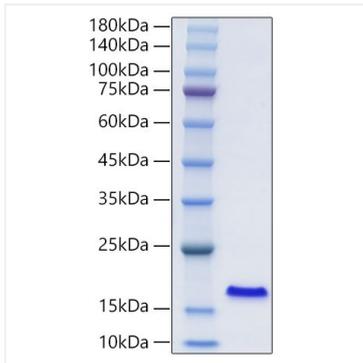
Recombinant Recombinant Human FABP2/I-FABP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala2-Asp132) of Human FABP2/I-FABP (Accession #NP_000125.2) fused with a His tag at the N-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. 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.

Validation Data



Recombinant Human FABP2/I-FABP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-20 kDa.