

Recombinant Human FABP2/I-FABP Protein (His Tag)

Catalog No. PKSH033683

Note: Centrifuge before opening to ensure complete recovery of vial contents.

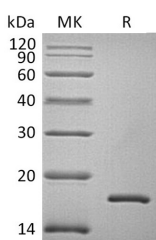
Description

| | |
|------------------------------------|---|
| Synonyms | Fatty Acid-Binding Protein Intestinal, Fatty Acid-Binding Protein 2, Intestinal-Type Fatty Acid-Binding Protein, I-FABP, FABP2, FABPI |
| Species | Human |
| Expression Host | E.coli |
| Sequence | Met1-Asp132 |
| Accession | P12104 |
| Calculated Molecular Weight | 18.4 kDa |
| Observed molecular weight | 17 kDa |
| Tag | N-His & C-His |
| Bioactivity | Testing in progress |

Properties

| | |
|-----------------------|--|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Fatty Acid-Binding Protein 2 (FABP2) is a cytoplasm protein that belongs to the Fatty-acid binding protein (FABP)

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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.