

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

Catalog Number:PDEH100012

 **DIA-AN®**
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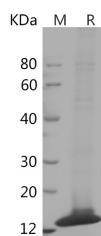
Note: Centrifuge before opening to ensure complete recovery of vial contents.

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

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.
Reconstitution	Please refer to the specific buffer information in the printed manual.
Data	Please refer to the printed manual for detailed information.



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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.

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