



Recombinant Protein Technical Manual

Recombinant Human FABP2/I-FABP Protein (His Tag)
RPES2815

Product Data:

Product SKU: RPES2815

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P12104

Protein Information:

Molecular Mass: 18.44 kDa

AP Molecular Mass: 17 kDa

Tag: N, C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Fatty Acid-Binding Protein Intestinal; Fatty Acid-Binding Protein 2; Intestinal-Type Fatty Acid-Binding Protein; I-FABP; FABP2; FABPI

Immunogen Information:

Sequence: Met1-Asp132

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.