

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

Catalog No. PKSH033683

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
Mol_Mass	18.4 kDa
AP_Mol_Mass	17 kDa
Tag	N-6His & C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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.
Reconstitution	Please refer to the printed manual for detailed information.

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.

SDS-PAGE

