

Recombinant Human FABP2 protein, MYC/DDK-tagged, C13/N15-labeled

Cat. No. FABP2-658H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP2 fused with MYC/DDK tag at C-terminal was expressed in HEK293 and labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine.
Species	Human
Source	HEK293
Description	The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance.
Form	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
Molecular Mass	15.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
Concentration	> 50 ug/ml as determined by BCA
GENE INFORMATION	
Gene Name	FABP2 fatty acid binding protein 2, intestinal [Homo sapiens]
Official Symbol	FABP2
Synonyms	FABP2; fatty acid binding protein 2, intestinal; fatty acid-binding protein, intestinal; I FABP; fatty acid-binding protein 2; intestinal-type fatty acid-binding protein; FABPI; I-FABP; MGC133132;
Gene ID	2169
mRNA Refseq	NM_000134
Protein Refseq	NP_000125
MIM	134640
UniProt ID	P12104
Chromosome Location	4q28-q31
Pathway	Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem;

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Function

fatty acid binding; long-chain fatty acid transporter activity; transporter activity;

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