

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	<p>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.</p>
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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