Recombinant Human FABP3 protein, MYC/DDK-tagged, C13/N15-labeled

Cat. No. FABP3-653H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP3 fused with MYC/DDK tag at C-terminal was expressed in HEK293 and labled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine.
Species	Human
Source	HEK293
Description	The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. 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. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer.
Form	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
Molecular Mass	14.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.

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Concentration	> 50 ug/ml as determined by BCA

GENE INFORMATION

Gene Name	FABP3 fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) [Homo sapiens]
Official Symbol	FABP3
Synonyms	FABP3; fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor); FABP11, fatty acid binding protein 11 , MDGI; fatty acid-binding protein, heart; H FABP; O FABP; fatty acid binding protein 11; mammary-derived growth inhibitor; muscle fatty acid-binding protein; Fatty acid-binding protein 3, muscle; heart-type fatty acid-binding protein; MDGI; FABP11; H-FABP; M-FABP; O-FABP;
Gene ID	2170
mRNA Refseq	NM_004102
Protein Refseq	NP_004093
MIM	134651
UniProt ID	P05413
Chromosome Location	1p33-p32
Pathway	PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem;

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Function	cytoskeletal protein binding; fatty acid binding; icosatetraenoic acid binding; lipid binding; long-chain fatty acid transporter activity; transporter activity;

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