

Recombinant Human FABP3, His-tagged

Cat. No. FABP3-26177TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Cardiac FABP with His tag; amino acids 1-133 , 19.1 kDa.
Species	Human
Source	E.coli
ProteinLength	1-133 a.a.
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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMVD AFLGTWKLVD SKNFDDYMKs LGVGFATRQV ASMTKPTTII EKNGDILTLK THSTFKNTEI SFKLGVEFDE TTADDRKVKS IVTLDGGLV HLQKWDGQET TLVRELIDGK LILTLTHGTA VCTRTYEKEA
Sequence Similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
Full Length	Full L.

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;
Gene ID	2170
mRNA Refseq	NM_004102
Protein Refseq	NP_004093
MIM	134651

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Uniprot ID	P05413
Chromosome Location	1p33-p32
Pathway	PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem;
Function	fatty acid binding; icosatetraenoic acid binding; lipid binding; long-chain fatty acid transporter activity; transporter activity;

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