

## Recombinant Human FABP3, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human Cardiac FABP with His tag; amino acids 1-133 , 19.1 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-133 a.a.
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	FABP3 fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) [ Homo sapiens ]
<b>Official Symbol</b>	FABP3
<b>Synonyms</b>	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;
<b>Gene ID</b>	2170
<b>mRNA Refseq</b>	NM_004102
<b>Protein Refseq</b>	NP_004093
<b>MIM</b>	134651

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA