

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

Cat. No. FABP3-039H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FABP3 MS Standard C13 and N15-labeled recombinant protein (NP_004093) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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. Alternative splicing results in multiple transcript variants.
Molecular Mass	14.9 kDa
AA Sequence	MVDAFLGTWKLVD SKNFDDYMKSLGVGFATRQVASMTKPTTIEKNGDILTLKTHST FKNTEISFKLGVEFDETTADDRKVKSVITLDGGKLVHLQKWDGQETTLVRELIDGKLIL TLTHGTAVCTRTRYEKEATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

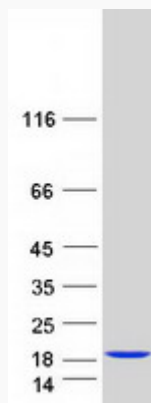
GENE INFORMATION

Gene Name	FABP3 fatty acid binding protein 3 [Homo sapiens (human)]
Official Symbol	FABP3
Synonyms	FABP3; fatty acid binding protein 3; FABP11; H-FABP; M-FABP; MDGI; O-FABP; fatty acid-binding protein, heart; epididymis secretory sperm binding protein; fatty acid binding protein 11; fatty acid binding protein 3, muscle and heart; heart-type fatty acid-binding protein; mammary-derived growth inhibitor; muscle fatty acid-binding protein
Gene ID	2170
mRNA Refseq	NM_004102
Protein Refseq	NP_004093
MIM	134651
UniProt ID	P05413

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SDS-PAGE

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