

Recombinant Human FABP3 protein, His-tagged

Cat. No. FABP3-506H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP3 (Met1-Ala133) protein was fused to His-tag at C-terminus and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ala133
Description	Fatty acid-binding protein 3 (FABP3) is also known as Heart-type fatty acid binding protein (H-FABP), Mammary-derived growth inhibitor (MDGI), Muscle fatty acid-binding protein (M-FABP), FABP11, which belongs to the calycin superfamily and fatty-acid binding protein (FABP) family. FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. H-FABP/FABP3 is involved in active fatty acid metabolism where it transports fatty acids from the cell membrane to mitochondria for oxidation. FABP3 may also contribute to AS160 phosphorylation by maintaining insulin-dependent Akt activation in the cells under a lipotoxic condition.
Predicted N Terminal	Met1
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 15.7 kDa. The protein migrates as 16 kDa under

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	reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	FABP3
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

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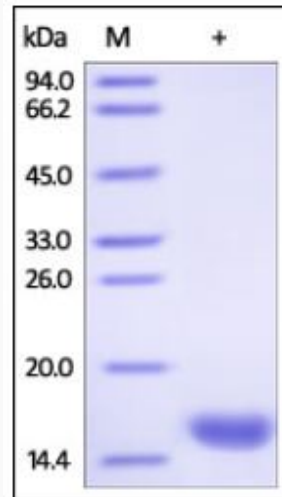
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Protein Refseq NP_004093

MIM 134651

UniProt ID P05413

**SDS-PAGE of
FABP3-506H**



Human FABP3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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