

Recombinant Mouse FABP3 protein, His-tagged

Cat. No. FABP3-363M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FABP3 protein (Met1-Ala133), fused to His tag at C-terminus, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	133
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.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 15.6 kDa. The protein migrates as 16 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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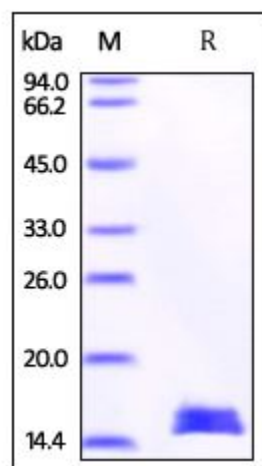
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
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; fatty acid-binding protein, heart; fatty acid-binding protein 3; mammary-derived growth inhibitor; fatty acid binding protein heart 1; fatty acid binding protein heart 4; heart-type fatty acid-binding protein; Mdgi; Fabph1; Fabph4; H-FABP; Fabph-1; Fabph-4
Gene ID	14077
mRNA Refseq	NM_010174
Protein Refseq	NP_034304
UniProt ID	Q5EBJ0

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**SDS-PAGE of
FABP3-363M**



Mouse 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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