

## Recombinant Mouse Fabp2 protein, His & T7-tagged

Cat. No. Fabp2-2806M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Fabp2 aa. (Ala2~Glu132 (Accession # P55050)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala2~Glu132
<b>Description</b>	<p>The protein encoded by this gene is part of the fatty acid binding protein family (FABP). FABPs are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands and participate in fatty acid uptake, transport, and metabolism. This protein functions within enterocytes, possibly to sense lipids as part of energy homeostasis. In humans polymorphisms are associated with increased fat oxidation and insulin resistance. In mice deficiency of this gene alters body weight in a gender-specific manner and causes hyperinsulinemia.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	18kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Characteristic</b>	The isoelectric point is 8.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Fabp2 fatty acid binding protein 2, intestinal [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Fabp2</a>
<b>Synonyms</b>	Fabpi; I-FABP; intestinal fatty acid binding protein 2; intestinal-type fatty acid-binding protein; fatty acid-binding protein, intestinal
<b>Gene ID</b>	<a href="#">14079</a>
<b>mRNA Refseq</b>	<a href="#">NM_007980.3</a>
<b>Protein Refseq</b>	<a href="#">NP_032006.1</a>

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UniProt ID

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