

Recombinant Mouse Fabp2 protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Fabp2 aa. (Ala2~Glu132 (Accession # P55050)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala2~Glu132
Description	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.
Form	Freeze-dried powder
Molecular Mass	18kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

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

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UniProt ID

P55050

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