Recombinant Mouse Fabp5, His-tagged

Cat. No. Fabp5-255M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fabp5, fused with hexahistidine-tagged at N-terminal, was expressed in E. coli.
Species	Mouse
Source	E.coli
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. In humans this gene has been associated with psoriasis and type 2 diabetes. In mouse deficiency of this gene in combination with a deficiency in Fabp4 confers protection against atherosclerosis, diet-induced obesity, insulin resistance and experimental autoimmune encephalomyelitis (the mouse model for multiple sclerosis). Alternative splicing results in multiple transcript variants that encode different protein isoforms. The mouse genome contains many pseudogenes similar to this locus.
Form	A solution in 50 mM sodium phosphate, pH 7.2, containing 20% glycerol and 150 mM sodium chloride
Molecular Mass	19.3 kDa
Purity	≥95%

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Stability	1 year
Storage	-80°C
Concentration	0.5 mg/ml
Shipping	Dry ice in continental US; may vary elsewhere

GENE INFORMATION

Gene Name	Fabp5 fatty acid binding protein 5, epidermal [Mus musculus (house mouse)]
Official Symbol	Fabp5
Synonyms	Fabp5; Klbp; mal1; Fabpe; E-FABP; PA-FABP; fatty acid binding protein 5, epidermal; fatty acid-binding protein, epidermal; keratinocyte lipid-binding protein; epithelial fatty acid-binding protein; epidermal-type fatty acid-binding protein; psoriasis-associated fatty acid-binding protein homolog
Gene ID	16592
mRNA Refseq	NM_001272097
Protein Refseq	NP_001259026
UniProt ID	Q05816
Chromosome Location	3 A1-A3; 3
Pathway	PPAR signaling pathway

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Function	lipid binding; transporter activity

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