

## Recombinant Mouse Fabp5, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Fabp5, fused with hexahistidine-tagged at N-terminal, was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	A solution in 50 mM sodium phosphate, pH 7.2, containing 20% glycerol and 150 mM sodium chloride
<b>Molecular Mass</b>	19.3 kDa
<b>Purity</b>	≥95%

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<b>Stability</b>	1 year
<b>Storage</b>	-80°C
<b>Concentration</b>	0.5 mg/ml
<b>Shipping</b>	Dry ice in continental US; may vary elsewhere
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Fabp5 fatty acid binding protein 5, epidermal [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Fabp5
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">16592</a>
<b>mRNA Refseq</b>	<a href="#">NM_001272097</a>
<b>Protein Refseq</b>	<a href="#">NP_001259026</a>
<b>UniProt ID</b>	Q05816
<b>Chromosome Location</b>	3 A1-A3; 3
<b>Pathway</b>	PPAR signaling pathway

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**Function**

lipid binding; transporter activity

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