

## Recombinant Mouse Fabp5 Protein, MYC/DDK-tagged

Cat. No. Fabp5-1273M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse fatty acid binding protein 5, epidermal (Fabp5), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<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. 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.</p>
<b>Molecular Mass</b>	15.1 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 g/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	Fabp5 fatty acid binding protein 5, epidermal [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Fabp5
<b>Synonyms</b>	Fabp5; fatty acid binding protein 5, epidermal; Klbp; mal1; Fabpe; E-FABP; PA-FABP; fatty acid-binding protein 5; uncharacterized protein LOC16592; epidermal-type fatty acid-binding protein; epithelial fatty acid-binding protein; fatty acid-binding protein, epidermal; keratinocyte lipid-binding protein; psoriasis-associated fatty acid-binding protein homolog
<b>Gene ID</b>	16592
<b>mRNA Refseq</b>	NM_010634
<b>Protein Refseq</b>	NP_034764
<b>UniProt ID</b>	Q05816

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