

Recombinant Mouse Fabp5 Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
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.
Molecular Mass	15.1 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	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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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Fabp5 fatty acid binding protein 5, epidermal [<i>Mus musculus</i> (house mouse)]
Official Symbol	Fabp5
Synonyms	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
Gene ID	16592
mRNA Refseq	NM_010634
Protein Refseq	NP_034764
UniProt ID	Q05816

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