

Recombinant Mouse Fabp6 Protein, Myc/DDK-tagged

Cat. No. Fabp6-2904M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of mouse full-length fatty acid binding protein 6 (Fabp6), with C-terminal MYC/DDK tag, 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. This protein functions within the ileum, the distal 25-30% of the small intestine, and plays a role in enterohepatic circulation of bile acids and cholesterol homeostasis. In humans, it has been reported that polymorphisms in FABP6 confer a protective effect in obese individuals from developing type 2 diabetes. In mice deficiency of this gene affects bile acid metabolism in a gender-specific manner and was reported to be required for efficient apical to basolateral transport of conjugated bile acids.


Molecular Mass 14.9 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 µg/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 Fabp6 fatty acid binding protein 6 [Mus musculus (house mouse)]

Official Symbol Fabp6

Synonyms FABP6; fatty acid binding protein 6, ileal (gastrotropin); gastrotropin; GT; ileal lipid binding protein; ileal lipid-binding protein; fatty acid-binding protein 6; ILBP; I-15P; ILBP3; Illbp; I-BABP; RP23-26M1.3

Gene ID 16204

mRNA Refseq NM_008375

Protein Refseq NP_032401

UniProt ID P51162

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