Recombinant Rat Fabp1, His-tagged

Cat. No. Fabp1-106R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Fabp1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Rat
Source	E.coli
Description	Fabp1 also known as Fatty acid-binding protein. The Protein Binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. Fabp1 may be involved in intracellular lipid transport.
Form	Liquid. In Phosphate Buffer Saline (pH7.4) containing 20% glycerol, 1mM DTT
Molecular Mass	16.7kDa (150aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNFSGKY QVQSQENFEP FMKAMGLPED LIQKGKDIKG VSEIVHEGKK VKLTITYGSK VIHNEFTLGE ECELETMTGE KVKAVVKMEG DNKMVTTFKG IKSVTEFNGD TITNTMTLGD IVYKRVSKRI
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)

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GENE INFORMATION

Gene Name	Fabp1 fatty acid binding protein 1, liver [Rattus norvegicus]
Official Symbol	Fabp1
Synonyms	FABP1; fatty acid binding protein 1, liver; fatty acid-binding protein, liver; SCP; p14; L-FABP; Z-protein; fatty-acid-binding protein; fatty acid-binding protein 1; squalene- and sterol-carrier protein; liver-type fatty acid-binding protein; Fabplg; RATFABPLG; MGC108756;
Gene ID	24360
mRNA Refseq	NM_012556
Protein Refseq	NP_036688
Pathway	Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem;
Function	bile acid binding; chromatin binding; chromatin binding; drug binding; fatty acid binding; fatty acid binding; long-chain fatty acid transporter activity; lysophospholipid transporter activity; phospholipid binding; transporter activity;

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