

## Recombinant Rat Fabp1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant rat Fabp1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. In Phosphate Buffer Saline (pH7.4) containing 20% glycerol, 1mM DTT
<b>Molecular Mass</b>	16.7kDa (150aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSMNFSGKY QVQSQENFEP FMKAMGLPED LIQKGKDIKG VSEIVHEGKK VKLTITYGSK VIHNEFTLGE ECELETMTGE KVKAVVKMEG DNKMVTTFKG IKSVTEFNGD TITNTMTLGD IVYKRVSRI
<b>Purity</b>	>95% by SDS - PAGE
<b>Storage</b>	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.
<b>Concentration</b>	1mg/ml (determined by Absorbance at 280nm)

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## GENE INFORMATION

<b>Gene Name</b>	Fabp1 fatty acid binding protein 1, liver [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	Fabp1
<b>Synonyms</b>	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;
<b>Gene ID</b>	24360
<b>mRNA Refseq</b>	NM_012556
<b>Protein Refseq</b>	NP_036688
<b>Pathway</b>	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;
<b>Function</b>	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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