9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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FABP1 Rat

Fatty Acid Binding Protein-1 Rat Recombinant
RCP0806

Product Overview

Name	FABP1 Rat

Description

Fatty Acid Binding Protein-1 Rat Recombinant

Accession (Primary)	P02692

Synonyms

Fatty acid-binding protein, liver, Fatty acid-binding protein 1, Liver-type fatty acid-binding protein, L-FABP, Squalene- and sterol-carrier protein, SCP, Z-protein, p14, Fabp1, Fabplg, FABP1.

Introduction

FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel beta strands that form a barrel with a bigger binding pocket than the other FABPs allowing it to accommodate two fatty acid. This protein binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm; it may be involved in intracellular lipid transport and metabolism.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The FABP1 solution (1mg/1ml) contains phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MNFSGKY QVQSQENFEP FMKAMGLPED LIQKGKDIKG VSEIVHEGKK VKLTITYGSK VIHNEFTLGE ECELETMTGE KVKAVVKMEG DNKMVTTFKG IKSVTEFNGD TITNTMTLGD IVYKRVSKRI.

Precautions

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FABP1 Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02692)