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FABP1 Mouse

Fatty Acid Binding Protein-1 Mouse Recombinant
RCP0804

Product Overview

Name	FABP1 Mouse

Description

Fatty Acid Binding Protein-1 Mouse Recombinant

Synonyms

Fatty acid-binding protein 1 liver, L-FABP, FABPL, FABP-1, FABP1, Z-protein.

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 White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.

Stability

Lyophilized FABP1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FABP1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

MNFSGKYQLQ SQENFEPFMK AIGLPEDLIQ KGKDIKGVSE IVHEGKKIKL TITYGPKVVR NEFTLGEECE LETMTGEKVK AVVKLEGDNK MVTTFKGIKS VTELNGDTIT NTMTLGDIVY KRVSKRI.

Solubility

It is recommended to reconstitute the lyophilized FABP1 in sterile 18MΩ-cm H 2 O not less than 100 μg/ml, which can then be further diluted to other aqueous solutions.

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Precautions

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