

Recombinant mouse FABP1/L-FABP protein

Catalog Number: ATGP3726

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-127aa

UniProt No.

P12710

NCBI Accession No.

NP_059095

Alternative Names

Fatty acid-binding protein, liver, Fabp1, L-FABP

PRODUCT SPECIFICATION

Molecular Weight

16.6 kDa (150aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Endotoxin level**Tag**

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Fabp1, also known as Fatty acid-binding protein, liver, 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. Recombinant mouse Fabp1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMNFSGKY QLQSQENFEP FMKAIGLPED LIQKGKDIKG VSEIVHEGKK IKLTITYGPK
VVRNEFTLGE ECELETMTGE KVKAVVKLEG DNKMVTTTFKG IKSVELNGD TITNTMTLGD IVYKRVSKRI

General References

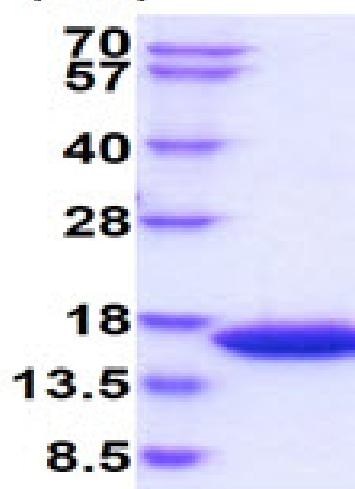
Atshaves BP., et al. (2004) Mol Cell Biochem. 259(1-2): 115-29

Martin GG., et al., (2016) Jan. 140(2): 294-306

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)