

# Recombinant rat FABP1/L-FABP protein

Catalog Number: ATGP3126

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-127aa

### UniProt No.

P02692

### NCBI Accession No.

NP\_036688

### Alternative Names

Fatty acid-binding protein liver, Fatty acid-binding protein, liver, Fabplg, L-FABP, p14, SCP, LFABP

## PRODUCT SPECIFICATION

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### Molecular Weight

16.7 kDa (150aa) confirmed by MALDI-TOF

### Concentration

1mg/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

### 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

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### 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. Recombinant rat Fabp1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMNFSQKY QVQSQENFEP FMKAMGLPED LIQKGKDIKG VSEIVHEGKK VKLTITYGSK

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VIHNEFTLGE ECELETMTGE KVKAVVKMEG DNKMVTTFKG IKSVTEFNGD TITNTMTLGD IVYKRVSRI

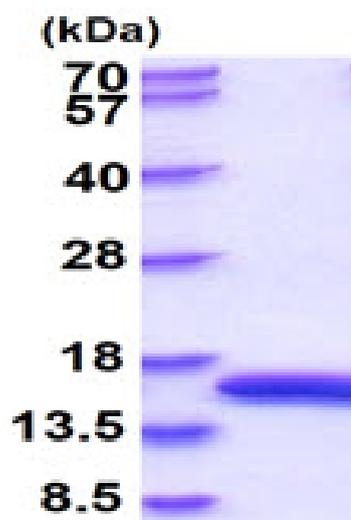
## General References

McIntosh AL., et al. (2013) FEBS Lett. 587 (23), 3787-3791.  
Lagakos WS., et al. (2011) J. Biol. Chem. 288 (27), 19805-19815.

## DATA

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### SDS-PAGE



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

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15% SDS-PAGE (3ug)