

# Recombinant Human FABP1/L-FABP Protein

Catalog No.: RP00501 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2168	P07148

### Tags

N-His

### Synonyms

FABP1; FABPL; L-FABP; L-FABP

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

< 0.01 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Human Fatty Acid-Binding Protein 1 (FABP1) is a cytoplasm protein, which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP1 forms a beta-barrel structure that accommodates hydrophobic ligands in its interior. FABP1 can bind free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm, so it can be involved in intracellular lipid transport.

## Basic Information

### Description

Recombinant Human FABP1/L-FABP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser2-Ile127) of human FABP1/L-FABP (Accession #P07148) fused with a His tag at the N-terminus.

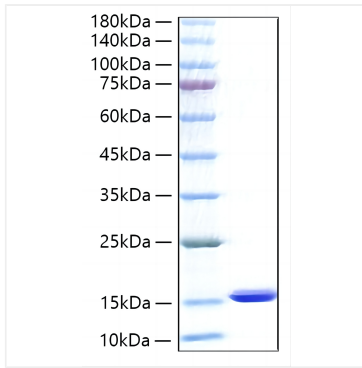
### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human FABP1/L-FABP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-20 kDa.