

Recombinant Human FABP1/L-FABP Protein

Catalog No.: RP00501

Sequence Information

Species **Gene ID**
Human 2168

Swiss Prot **Tags**
P07148 N-His

Synonyms
FABP1, FABPL, L-FABP, L-FABP

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
14.92 kDa 15–20 kDa

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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

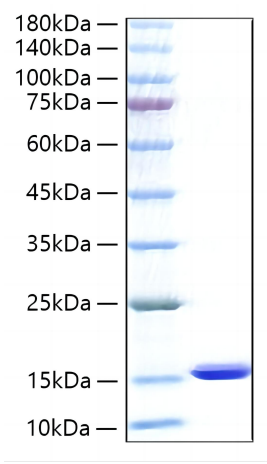
Contact

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Validation Data



Recombinant Human FABP1/L-FABP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.