BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno-Řečkovice a Mokrá Hora

Date of issue: 28.08.2019

PRODUCT DATASHEET

Liver Fatty Acid Binding Protein Human E. coli

Cat. No.: RD172240100
Type: Recombinant protein
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 137 AA. MW: 15.45 kDa (calculated). UniProtKB acc.no. P07148. N-Terminal His-tag, 10 extra AA (highlighted).

Other names
L-FABP, Fatty acid-binding protein 1, FABP1, FABPL

Introduction to the molecule

Research topic
Animal studies, Renal disease

Amino Acid sequence
MKHHHHHHAS MSFSGKYQLQ SQENFEAFMK AIGLPEELIQ KGKDIKGVSE IVQNGKHFKF TITAGSKVIQ NEFTVGEECE LETMTGEKVK TVVQLEGDNK LVTTFKNIKS VTELNGDIIT NTMTLGDIVF KRISKRI

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.0

Reconstituion:
Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life
Store the lyophilized protein at –80 °C. Lyophilized protein remains stable until the expiry date when stored at –80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

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Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

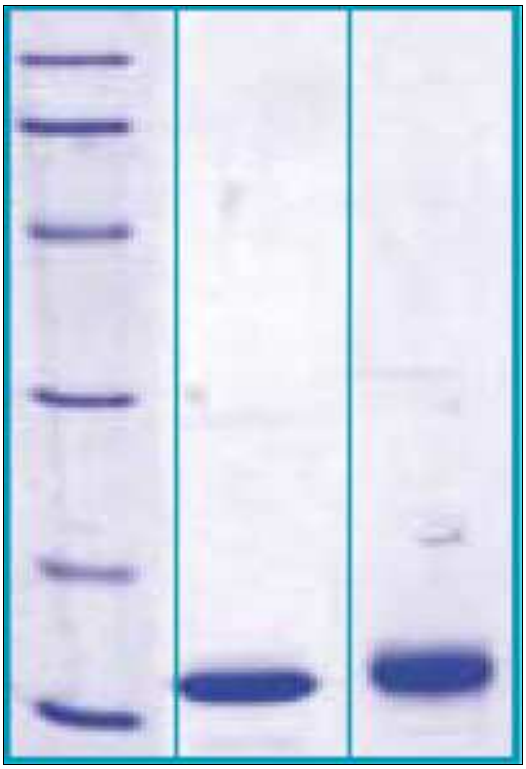
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14% SDS-PAGE separation of Human L-FABP
1. M.W. marker – 97, 66, 45, 31, 21 , 14 kDa
2. reduced and boiled sample, 5µg/lane
3. non-reduced and non-boiled sample, 5µg/lane

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