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

Date of issue: 28.08.2019

PRODUCT DATASHEET

Intestinal Fatty Acid Binding Protein Human E. coli

Cat. No.: RD172246100
Type: Recombinant protein
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 141 AA. MW: 16.32 kDa (calculated). UniProtKB acc.no. P12104. N-Terminal His-tag (10 extra AA)

Other names
Fatty acid-binding protein 2, Intestinal-type fatty acid-binding protein, I-FABP, FABP2, FABPI

Introduction to the molecule

Research topic
Animal studies, Others

Amino Acid sequence
MKHHHHHHAS AFDSTWKVDR SENYDKFMEK MGVNIVKRKL AAHDNLKLTI TQEGNKFTVK ESSAFRNIEV VFELGVTFNY NLADGTELRG TWSLEGNKLI GKFKRTDNGN ELNTVREIIG DELVQTYVYE GVEAKRIFKK D

Purity
>95%

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, pH 7.4

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 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.

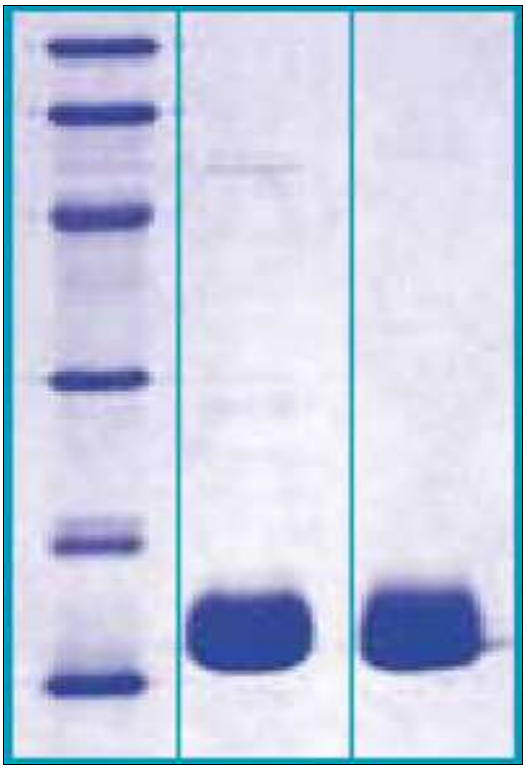
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14% SDS-PAGE separation of Human FABP-2
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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