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

Date of issue: 01.11.2018

PRODUCT DATASHEET

Heart Fatty Acid Binding Protein Human E. coli

Cat. No.: RD172247100
Type: Recombinant protein
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 142 AA. MW: 15.97 kDa (calculated). UniProtKB acc.no. P05413. N-Terminal His-tag, 10 extra AA (highlighted).

Other names
FABP3, Fatty acid-binding protein 3, H-FABP, Mammary-derived growth inhibitor, MDGI, Muscle fatty acid-binding protein, M-FABP, FABP11

Introduction to the molecule

Research topic
Cardiovascular disease, Energy metabolism and body weight regulation, Renal disease

Amino Acid sequence
MKHHHHHHAS VDAFLGTWKL VDSKNFDDYM KSLGVGFATR QVASMTKPTT IIEKNGDILT LKTHSTFKNT EISFKLGVEF DETTADDRKV KSIVTLDGGK LVHLQKWDGQ ETTLVRELID GKLILTLTHG TAVCTRTYEK EA

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

Reconstituion:
Add deionized water to prepare a working stock solution of 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.

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

Phone: +420-549-124-185, Fax: +420-549-211-460
E-mail: info@biovendor.com, sales@biovendor.com
Web: www.biovendor.com
There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact

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

Date of issue: 01.11.2018

Quality control

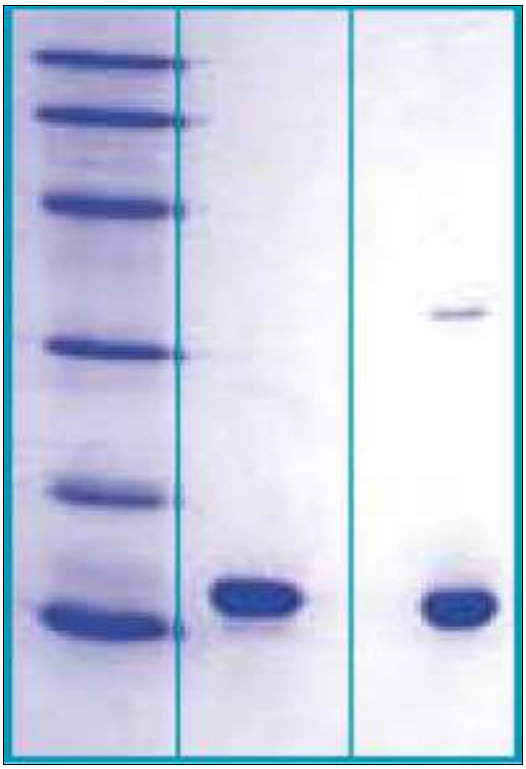
BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

LAL to determine quantity of endotoxin.

Applications

Western blotting



14% SDS-PAGE separation of Human FABP3
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. reduced and boiled sample, 5µg/lane
3. non-reduced and non-boiled sample, 5µg/lane

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

Phone: +420-549-124-185, Fax: +420-549-211-460
E-mail: info@biovendor.com, sales@biovendor.com
Web: www.biovendor.com

There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact