Myelin Fatty Acid Binding Protein Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Myelin FABP, M-FABP, My-FABP, FABP-8, Myelin P2 Protein, PMP2

Cat. No.:
RD172250100 (0.1 mg)

Description

Total 140 AA. MW: 15.93 kDa (calculated). N-Terminal His-tag (9 extra AA)

Research topic

Neural tissue markers

Amino Acid Sequence

MKHHHHHHAS NKFLGTWKLV SSENFDDYMK ALGVGLATRK LGNLAKPTVI ISKKGDIITI RTESTFKNTE ISFKLGQEFE ETTADNRKTK SIVTLQRGSL NQVQRWDGKE TTIKRKLVNG KMVAECKMKG VVCTRIYEKV

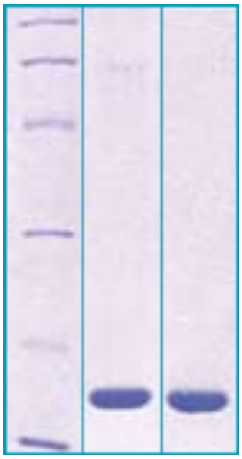
Source

E. coli

Purity

Purity as determined by densitometric image analysis > 99%

SDS-PAGE gel



14% SDS-PAGE separation of Human FABP-8
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

Endotoxin

<1.0 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

Reconstitution

Add deionized water to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the 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.

Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
LAL TEST to determine quantity of endotoxin.

Applications

ELISA, Western blotting

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