

AR09182PU-L

Recombinant human FABP3 (aa 1-133), His-tagged

Alternate names:

FABP11, H-FABP, Heart-type fatty acid-binding protein, MDGI, Mammary-derived growth inhibitor, Muscle fatty acid-binding protein

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

FABP3 (Fatty acid binding protein 3) is also known as heart fatty acid binding protein and is a member of Fatty acid binding proteins (FABPs) which are a family of small, highly conserved, cytoplasmic proteins to bind long-chain fatty acids and other hydrophobic ligands. FABP3 is abundant in the myocardium and rapidly released from cardiomyocytes into the circulation after the onset of cell damage. Therefore, this protein has been proposed as an early biochemical marker of acute myocardial infarction and a sensitive marker for the detection and evaluation of myocardial damage in patients with heart failure.

Uniprot ID:

[P05413](#)

NCBI:

[NP_004093](#)

GenelD:

[2170](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)

Description:

Recombinant FABP3 protein was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMMVD AFLGTWKLVD SKNFDDYMKSLGVGFATRQV ASMTKPTTII EKNGDILTLK THSTFKNTEI SFKLGVEFDE TTADDRKVKSIIVTLDDGGKLV HLQKWDGQET TLVRELIDGK LILTLTHGTA VCTRTEKEA

Molecular weight: 19.1 kDa (170 aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

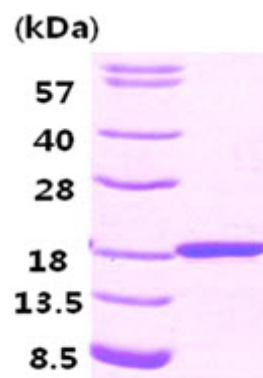
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Troxler RF., et al. (2007). Hum Genet. 92(6):563-6.

Pictures:



15% SDS-PAGE (3ug)

FABP3, 1-133 aa human, His-tagged,
recombinant, E.coli: 15% SDS-PAGE (3
μg)

