

Recombinant human FABP3/H-FABP protein

Catalog Number: ATGP0294

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-133aa

UniProt No.

P05413

NCBI Accession No.

NP_004093

Alternative Names

Fatty acid binding protein 3 muscle and heart, H-FABP, M-FABP, MDGI, FABP11, cardiac fabp, Fatty acid binding protein 3, Muscle fatty acid binding protein, 422 protein, Cardiac Fatty Acid Binding Protein, FABP3, Fatty acid binding protein 3 muscle, Fatty acid binding protein 3 muscle and heart mammary derived growth inhibitor, Fatty acid binding protein 11, Fatty acid binding protein heart, H FABP, Heart type fatty acid binding protein, M FABP, Mammary derived growth inhibitor, Mylein protein P2 homolog, O FABP, P2 adipocyte protein

PRODUCT SPECIFICATION

Molecular Weight

19.1 kDa (170aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Recombinant human FABP3/H-FABP protein

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Description

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

Amino acid Sequence

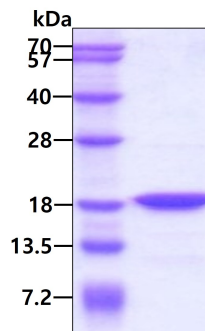
<MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGS>MVD AFLGTWKLVD SKNFDDYMKS LGVGFATRQV
ASMTKPTTII EKNGDILTLK THSTFKNTEI SFKLGVEFDE TTADDRKVKS IVTLDGGKLV HLQKWDGQET TLVRELIDGK
LILTLTHGTA VCTRTEKEA

General References

Troxler RF., et al. (2007). *Hum Genet.* 92(6):563-6
Zanotti G., et al. (1992). *J Biol Chem.* 267(26):18541-50

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.