

Datasheet for ABIN7504924

FABP3 Protein (AA 2-133) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FABP3
Protein Characteristics:	AA 2-133
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FABP3 protein is labelled with His tag.

Product Details

Sequence:	Val2-Ala133
Characteristics:	Recombinant Human Fatty Acid-Binding Protein 3 is produced by our E.coli expression system and the target gene encoding Val2-Ala133 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	FABP3
Alternative Name:	FABP3 (FABP3 Products)
Background:	Abbreviation: FABP3 Target Synonym: Fatty Acid-Binding Protein Heart,Fatty Acid-Binding Protein 3,Heart-Type Fatty Acid-Binding Protein,H-FABP,Mammary-Derived Growth Inhibitor,MDGIMuscle Fatty Acid-

Target Details

Binding Protein,M-FABP,FABP3,FABP11,MDGI,H-FABP,O-FABP

Background: Fatty Acid Binding Protein 3 (FABP3) is a small cytoplasmic protein (15 kDa) that is released from cardiac myocytes following an ischemic episode. Like the nine other distinct FABPs that have been identified, FABP3 is involved in active fatty acid metabolism where it transports fatty acids from the cell membrane to mitochondria for oxidation. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-types. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. The FABP3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is also a candidate tumor suppressor gene for human breast cancer. FABP3 is a sensitive biomarker for myocardial infarction and can be detected in the blood within one to three hours of onset of pain.

Molecular Weight: Calculated MW: 17.0 kDa
Observed MW: 15 kDa

UniProt: [P05413](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from a 0.2 um filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months