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Datasheet for ABIN7319280 **FABP3 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	FABP3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FABP3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human FABP3 Protein (His Tag)
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 as determined by the LAL method.

Target Details

Target:	FABP3
Alternative Name:	FABP3 (FABP3 Products)
Background:	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

Target Details

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.

Synonym: Fatty Acid-Binding Protein Heart, Fatty Acid-Binding Protein 3, Heart-Type Fatty Acid-Binding Protein, H-FABP, Mammary-Derived Growth Inhibitor, MDGI Muscle Fatty Acid-Binding Protein, M-FABP, FABP3, FABP11, MDGI, H-FABP, O-FABP

Molecular Weight:	17.0 kDa
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UniProt:	P05413
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Pathways:	Monocarboxylic Acid Catabolic Process
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 6.5.
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Storage:	4 °C, -20 °C, -80 °C
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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.
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