



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Recombinant Human FABP3 Protein (His Tag)

Catalog Number:PDEH100008



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

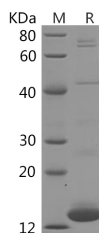
## Description

<b>Synonyms</b>	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-Binding Protein;M-FABP;FABP3;FABP11;MDGI;H-FABP;O-FABP
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Val2-Ala133
<b>Accession</b>	P05413
<b>Calculated Molecular Weight</b>	17.0 kDa
<b>Observed molecular weight</b>	15 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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

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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.

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