

Product Name: Recombinant Human FABP3 (N-6His)
Catalog #: PEH0616

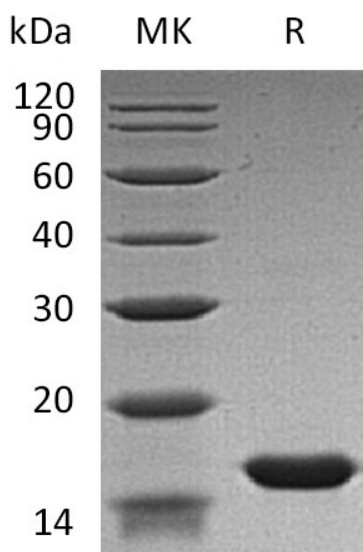


Summary

Name	FABP3/H-FABP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P05413
Host	E.coli
Species	Human
Predicted Molecular Mass	17.02 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 6.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.