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32-7117: Recombinant Human Fatty Acid-Binding Protein 3/FABP3/H-FABP (N-6His)

Gene : FABP3
Gene ID : 2170
Uniprot ID : P05413

Description

Source: E.coli.
MW :17.02kD.
Recombinant Human FABP3 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. 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 6.5.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MGSSHHHHHHSSGLVPRGSHMVDAFLGTWKLVDSKNFDDYMKSLGVGFATRQVASMTKPTTIIEKNGDILTL KTHSTFKNTEISFKLGVEFDETTADDRKVKSIVTLDGGKLVHLQKWDGQETTLVRELIDGKLILTLTHGTAVCTR TYEKEA

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.