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Recombinant Human FABP2 / I-FABP Protein (His tag)

产品货号: TP07517

第三版

别名:FABPI;I-FABP;MGC133132

描述:Fatty acid binding protein (FABP) is one of the intracellular proteins, with a low molecular weight of approximately 15 kDa, that plays important roles in the transportation and metabolism of long-chain fatty acids. FABP family proteins could be used as tissue specific injury marker based on the following characteristics of FABP. The intestinal fatty acid binding protein (I-FABP), or fatty acid-binding protein 2 (FABP2), an intracellular protein expressed only in the intestine, involved in the absorption and intracellular transport of dietary long chain fatty acids. The FABP2 gene is proposed as a candidate gene for diabetes because the protein it codes is involved in fatty acid (FA) absorption and metabolism. Numerous studies have assessed FABP2 gene variants. A transition of G to A at codon 54 of FABP2 results in an amino acid substitution (Ala54 to Thr54), which is common in diverse populations and results in increased FA absorption in vivo. Some evidence indicates that this variant may be associated with type 2 diabetes. This polymorphism was associated with some cardiovascular risk factors. The cytosolic human intestinal fatty acid binding protein (hFABP2) is proposed to be involved in intestinal absorption of long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor.

配方:PBS**分子量:**16.6 kDa**序列:**Met 1-Asp 132**纯度:**> 95% by HPLC**浓度:****内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.