

32-3790: FABP2 His Recombinant Protein

Alternative Name : Fatty acid-binding protein 2,IFABP,I-FABP,FABPI,FABP-2,Fatty acid-binding protein intestinal,FABP2,MGC133132.

Description

Source : Escherichia Coli. FABP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids and having a molecular mass of 17.3kDa. FABP2 is fused to a 20 aa His tag at N-terminus and purified by standard chromatography techniques. FABP multigene family has almost 20 known members. FABPs are divided into 3 different types: hepatic, intestinal and cardiac which form 14-15 kDa proteins that take part in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. FABPs are involved in the modulation of cell growth and proliferation. Intestinal FABP (FABP2) gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance. High serum levels of FABP2 is ulcerative colitis indicates ileitis. FABP2 is has part in triglyceride-rich lipoprotein synthesis. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long- chain fatty acids. FABP2 helps maintain energy homeostasis by functioning as a lipid sensor.

Product Info

Amount : 25 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : FABP2 His-Tag is supplied in 20mM Tris-HCl pH 8 and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MAFDSTWKVD RSENYDKFME KMGVNIVKRK LAAHDNLKLT
 ITQEGNKFTV KESSAFRNIE VVFELGVTFN YNLADGTELR GTWSLEGKGL IGKFKRTDNG NELNTVREII
 GDELVQTYVY EGVEAKRIFK KD

