

Product information



FABP2, 1-132 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0300

Full name: Intestinal fatty acid binding protein 2

NCBI Accession No.: NP_000125

Synonyms: FABPI, I-FABP

Description: FABP2, also known as intestinal fatty acid binding protein 2 (I-FABP), is expressed in the epithelium of the small intestine by mature enterocytes. FABP2 is thought to facilitate of cellular uptake and transport of long-chain fatty acids within enterocytes and may also help maintain energy homeostasis by functioning as a lipid sensor. This protein binds saturated long-chain fatty acid with a high affinity, but binds with a low affinity to unsaturated long-chain fatty acid. The Ala to Thr substitution at residue 54 of FABP2 is associated with higher total cholesterol, with stroke incidence, elevation of fasting and postprandial triglyceride, insulin resistance, and higher nonesterified fatty acid (NEFA) concentrations. Recombinant human FABP2, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

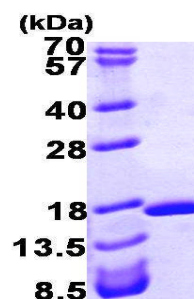
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight: 17.3 kDa (152 aa)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MAFDSTWKVD RSENYDKFME KMGVNI VKRK LAAHDNLKLT ITQEGNKFTV KESSAFRNIE VVFELGVTFN YNLADGTELR
GTWSLEGKGL IGKFKRTDNG NELNTVREII GDELVQTYVY EGVEAKRIFK KD

General references:

Baier LJ., *et al.* (1995). *J Clin Invest.* 95(3):1281-7.

Helwig U., *et al.* (2007) *Metabolism.* 56(6):723-31.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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