9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-7118: Recombinant Human Fatty Acid-Binding Protein 4/FABP4/A-FABP/aP2 (N-6His)

Gene : FABP4
Gene ID : 2167
Uniprot ID : P15090

Description

Source: E.coli.
MW :16.88kD.
Recombinant Human FABP4 is produced by our E.coli expression system and the target gene encoding Cys2-Ala132 is expressed with a 6His tag at the N-terminus. Fatty Acid-Binding Protein 4 (FABP4) is a cytoplasm protein that belongs to the fatty-acid binding protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP4 is expressed in a differentiation-dependent fashion in adipocytes and is a critical gene in the regulation of the biological function of these cells. FABP4 is thought to participate in Lipid transport protein in adipocytes. FABP4 binds to the long chain fatty acids and retinoic acid, delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus. FABP4 modulates inflammatory responses and cholesterol ester accumulation. FABP4 is a plasma marker of metabolic disturbances in HIV-infected patients, and therefore, could serve to guide therapeutic intervention in this group of patients.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
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 :	MGSSHHHHHHSSGLVPRGSHMCDAFVGTWKLVSSENFDDYMKEVGVGFATRKVAGMAKPNMIIS VNGDVITIKSESTFKNTEISFILGQEFDEVTADDRKVKSTITLDGGVLVHVQKWDGKSTTIKRKREDD KLVVECVMKGVTSTRVYERA

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 Âµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/Âµg (1 IEU/Âµg) as determined by LAL test.