

Fatty Acid Binding Protein-2 Recombinant Protein | FABP2 recombinant protein

Recombinant Human Fatty Acid Binding Protein-2, His Tag

CATALOG #
AAA38742

HOST
E Coli

PRODUCT SYNONYMS

Fatty Acid Binding Protein-2; Recombinant Human Fatty Acid Binding Protein-2; His Tag; FABP2 Human; His; Fatty Acid Binding Protein 2 Human Recombinant; Fatty acid-binding protein 2; IFABP; I-FABP; FABPI; FABP-2; Fatty acid-binding protein intestinal; FABP2; MGC133132; FABP2 His; FABP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	FABP2 His-Tag is supplied in 20mM Tris-HCl pH 8 and 10% glycerol. Sterile Filtered colorless liquid formulation.
Concentration	25ug/25ul (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSH&nb sp;MAFDSTW KVDRSNEYDK FMEKMGVNIV KRKLAHDNL KLTITQEGNK FTVKESSAFR NIEVVFELGV TFNYNLADGT ELRGTWSLEG NKLIGKFKRT DNGNELNTVR EIIGDELVQT VYVEGVEAKR IFKKD
Sequence Length	132
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time.Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FABP2 recombinant protein	Description: 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. Introduction: 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 Categories/Family for FABP2 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; FABP

NCBI AND UNIPROT INFORMATION

NCBI GI #	194097325
NCBI GeneID	2169
NCBI Accession #	NP_000125.2
NCBI GenBank Nucleotide #	NM_000134.3

UniProt Accession #	P12104; Q2NKK1
Molecular Weight	15,207 Da
NCBI Official Full Name	fatty acid-binding protein, intestinal
NCBI Official Synonym Full Names	fatty acid binding protein 2, intestinal
NCBI Official Symbol	FABP2
NCBI Official Synonym Symbols	FABPI; I-FABP
NCBI Protein Information	fatty acid-binding protein, intestinal; fatty acid-binding protein 2; intestinal-type fatty acid-binding protein
UniProt Protein Name	Fatty acid-binding protein, intestinal
UniProt Gene Name	FABP2
UniProt Synonym Gene Names	FABPI; I-FABP
UniProt Entry Name	FABPI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fabp2-recombinant-protein-e-coli/38742>