Full-Length

FABP1 (Human) Recombinant Protein (P01)

Catalog # H00002168-P01 Size 25 ug, 10 ug

Applications

Specification

Product Description	Human FABP1 full-length ORF (AAH32801, 1 a.a. - 127 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSFSGKYQLQSQENFEAFMKAIGLPEELIQKGKDIKGVSEIVQNGKHFKFTITAGSKVIQNEFTVGE ECELETMTGEKVKTVVQLEGDNKLVTTFKNIKSVTELNGDIITNTMTLGDIVFKRISKRI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.71
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FABP1

Entrez GeneID	2168
GeneBank Accession#	BC032801
Protein Accession#	AAH32801
Gene Name	FABP1
Gene Alias	FABPL, L-FABP
Gene Description	fatty acid binding protein 1, liver
Omim ID	134650
Gene Ontology	Hyperlink
Gene Summary	FABP1 encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP1 and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq
Other Designations	Fatty acid-binding protein, liver

Publication Reference

- Adipocyte fatty acid binding protein in a Caucasian population: a new marker of metabolic syndrome?

  Stejskal D, Karpisek M.

  European Journal of Clinical Investigation 2006 Aug; 36(9):621.

  Application: ELISA, Human , Serum from patients with metabolic syndrome

- Adiponectin, Adipocyte Fatty Acid Binding Protein, and Epidermal Fatty Acid Binding Protein: Proteins Newly Identified in Human Breast Milk.

  Bronsky J, Karpisek M, Bronska E, Pechova M, Jancikova B, Kotolova H, Stejskal D, Prusa R, Nevoral J.

  Clinical Chemistry 2006 Jul; 52(9):1763.

  Application: Func, Human, Skim milk samples

Pathway

- PPAR signaling pathway

Disease

- Atherosclerosis
- Body Weight
- Cardiovascular Diseases
- Cerebral Infarction
- Diabetes Mellitus
- Dyslipidemias
- Edema
- Genetic Predisposition to Disease
- Hyperlipoproteinemias
- Hypertriglyceridemia
- Insulin Resistance
- Intracranial Arteriosclerosis
- Metabolic Syndrome X

- Myocardial Infarction
- Obesity
- Stroke