FABP1 recombinant protein

FABP1, 1-127aa, Human, His tag, E Coli

CATALOG #	HOST	APPLICATIONS
AAA48472	**E Coli**	**SDS-Page**

PRODUCT SYNONYMS

FABP1; 1-127aa; Human; His tag; E Coli; Fatty acid binding protein 1; Fatty acid-binding protein; liver; FABPL; L-FABP; fatty acid binding protein 1 liver; ; FABP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris pH 8.0
Concentration	1 mg/ml (determined by BCA assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MSFSGKYQLQ SQENFEAFMK AIGLPEELIQ KGKDIKGVSE IVQNGKHFKF TITAGSKVIQ NEFTVGEECE LETMTGEKVK TVVQLEGDNK LVTTFKNIKS VTELNGDIIT NTMTLGDIVF KRISKRI
Sequence Length	127
Applicable Applications for FABP1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES

SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FABP1 recombinant protein	FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel beta strands that form a barrel with a bigger binding pocket than the other FABPs allowing it to accommodate two fatty acid. This protein binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm; it may be involved in intracellular lipid transport and metabolism. Recombinant human FABP1, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for FABP1 recombinant protein	Cancer

References	Atshaves BP., et al. (2004). Mol Cell Biochem. 259 (1-2): 115-29; Nakamura T., et al. (2005). Diabestes Care. 28 (11) : 2728-32;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557577
NCBI GeneID	2168
NCBI Accession #	NP_001434
NCBI GenBank Nucleotide #	NM_001443.2
UniProt Accession #	P07148
Molecular Weight	16kDa (147aa), confirmed by MALDI-TOF.
NCBI Official Full Name	fatty acid-binding protein, liver
NCBI Official Synonym Full Names	fatty acid binding protein 1
NCBI Official Symbol	FABP1
NCBI Official Synonym Symbols	FABPL; L-FABP
NCBI Protein Information	fatty acid-binding protein, liver
UniProt Protein Name	Fatty acid-binding protein, liver
UniProt Gene Name	**FABP1**
UniProt Synonym Gene Names	FABPL; L-FABP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/fabp1-recombinant-protein-e-coli-sds-page/48472