

Fatty Acid Binding Protein-1 Recombinant Protein | FABP1 recombinant protein

Recombinant Human Fatty Acid Binding Protein-1 His Tag

CATALOG # AAA38574	HOST Escherichia coli
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PRODUCT SYNONYMS

Fatty Acid Binding Protein-1; Recombinant Human Fatty Acid Binding Protein-1 His Tag; FABP1 Human; His; Fatty Acid Binding Protein-1 Human Recombinant; His Tag; Fatty acid-binding protein 1 liver; L-FABP; FABPL; FABP-1; FABP1; Z-protein; FABP1 His; FABP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Escherichia coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The protein solution (1 mg/mL) contains 20mM Tris-HCl pH-8.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMSF</u> SGKYQLQSQE NFEAFMKAIG LPEELIQKGK DIKGVSEIVQ NGKHFKFTIT AGSKVIQNEF TVGEECELET MTGEKVKTVV QLEGDNKLV TFKNIKSVTE LNGDIITNTM TLGDIVFKRI SKRI
Sequence Length	127
Physical Appearance	Sterile Filtered colorless solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FABP1 recombinant protein	Description: FABP1 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing a total of 147 amino acids (1-127 a.a) and having a molecular mass of 16 kDa. The protein is fused to a 20 a.a His-Tag at N-terminus. The FABP-1 is purified by proprietary chromatographic techniques. Introduction: 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.
Product Categories/Family for FABP1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; FABP

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557577
NCBI GeneID	2168
NCBI Accession #	NP_001434.1
NCBI GenBank Nucleotide #	NM_001443.2
UniProt Accession #	P07148

NCBI Official Full Name	fatty acid-binding protein, liver
NCBI Official Synonym Full Names	fatty acid binding protein 1, liver
NCBI Official Symbol	FABP1
NCBI Official Synonym Symbols	FABPL; L-FABP
NCBI Protein Information	fatty acid-binding protein, liver; fatty acid-binding protein 1; liver-type fatty acid-binding protein
UniProt Protein Name	Fatty acid-binding protein, liver
UniProt Gene Name	FABP1
UniProt Synonym Gene Names	FABPL; L-FABP
UniProt Entry Name	FABPL_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/fabp1-recombinant-protein-escherichia-coli/38574>