Recombinant Human FABP1, His-tagged

Cat. No. FABP1-3685H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 137 AA. MW: 15.45 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).
Species	Human
Source	E.coli
Description	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.
Form	Filtered (0, 4 μm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50 mM NaCl, Ph 7.5
Research topic	Energy metabolism and body weight regulation
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein

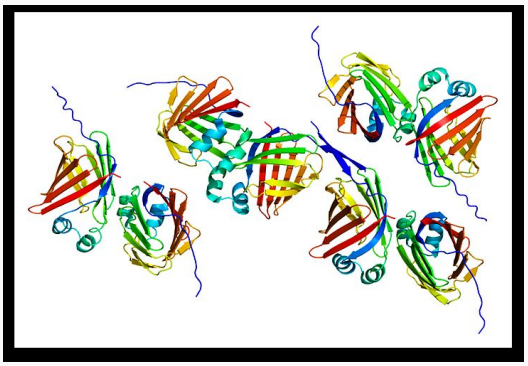
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Sequences of amino acids	MKHHHHHHAS MSFSGKYQLQ SQENFEAFMK AIGLPEELIQ KGKDIKGVSE IVQNGKHFKF TITAGSKVIQ NEFTVGEECE LETMTGEKVK TVVQLEGDNK LVTTFKNIKS VTELNGDIIT NTMTLGDIVF KRISKRI
Storage	Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for one week.

GENE INFORMATION

Gene Name	FABP1 fatty acid binding protein 1, liver [Homo sapiens]
Official Symbol	FABP1
Synonyms	FABP1; fatty acid binding protein 1, liver; FABPL; L-FABP; fatty acid-binding protein, liver; OTTHUMP00000160828; OTTHUMP00000160829; fatty acid-binding protein 1; liver-type fatty acid-binding protein
Gene ID	2168
mRNA Refseq	NM_001443
Protein Refseq	NP_001434
MIM	134650
UniProt ID	P07148
Chromosome Location	2p11

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Pathway	Fat digestion and absorption; PPAR signaling pathway; Selenium Metabolism and Selenoproteins
Function	bile acid binding; chromatin binding; drug binding; fatty acid binding; long-chain fatty acid transporter activity; phospholipid binding; transporter activity
ProteinFABP1 PDB 2f73	

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