

Recombinant Human FABP6 Protein, His-tagged

Cat. No. FABP6-3676H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP6 protein with N-Terminal His-tag (10 extra AA) was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes the ileal fatty acid binding protein. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP6 and FABP1 (the liver fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. Transcript variants generated by alternate transcription promoters and/or alternate splicing have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	15.5 kDa (calculated)
AA Sequence	MKHHHHHHASAFTGKFEMESEKNYDEFMKLLGISSDVIEKARNFKIVTEVQQDGQD FTWSQHYSGGHTMTNKFTVGKESNIQTMGGKTFKATVQMEGGKLVNFPNYHQTS EIVGDKLVEVSTIGGVITYERVSKRLA
Endotoxin	<1.0 EU/μg
Purity	Purity as determined by densitometric image analysis: >95%

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Applications	WB, ELISA
Quality Control Test	BCA to determine quantity of the protein. SDS PAGE to determine purity of the protein. LAL to determine quantity of endotoxin.
Notes	This product is intended for research use only.
Storage	Store lyophilized protein at -80 centigrade. Lyophilized protein remains stable until the expiry date when stored at -80 centigrade. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 centigrade for long term storage. Reconstituted protein can be stored at 4 centigrade for a week.
Storage Buffer	Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

GENE INFORMATION

Gene Name	FABP6 fatty acid binding protein 6 [Homo sapiens (human)]
Official Symbol	FABP6
Synonyms	FABP6; GT; Fatty acid-binding protein 6; Ileal lipid-binding protein; ILBP; Intestinal 15 kDa protein; I-15P; Intestinal bile acid-binding protein; I-BABP; ILBP; ILLBP; fatty acid binding protein 6; gastrotropin; fatty acid binding protein 6, ileal; ileal bile acid binding protein; ileal lipid-binding protein; illeal lipid-binding protein; intestinal 15 kDa protein

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Gene ID	2172
mRNA Refseq	NM_001040442
Protein Refseq	NP_001035532
MIM	600422
UniProt ID	P51161

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