

Recombinant Human FABP6 protein

Cat. No. FABP6-356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP6 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	127
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.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4, 5 % trehalose.
Molecular Mass	Approximately 14.2 kDa, a single non-glycosylated polypeptide chain containing 127 amino acids.
AA Sequence	AFTGKFEMESEKKNYDEFMKLLGISSDVIEKARNFKIVTEVQQDGGQDFTWSQHYSSG HTMTNKFTVVGKESNIQTMGGKTFKATVQMEGGKLVVNFNPNYHQTSEIVGDKLVEVS TIGGVTYERVSKRLA

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Endotoxin	Less than 0.1 EU/g of rHuFABP6 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	FABP6
Official Symbol	FABP6
Synonyms	FABP6; fatty acid binding protein 6, ileal; gastrotropin; I 15P; I BABP; I BALB; I BAP; ILBP; ILBP3; ileal bile acid binding protein; ILLBP; illeal lipid binding protein; GT; intestinal 15 kDa protein; ileal lipid-binding protein; illeal lipid-binding protein; I-15P; I-BAP; I-BABP; I-BALB;
Gene ID	2172
mRNA Refseq	NM_001040442
Protein Refseq	NP_001035532

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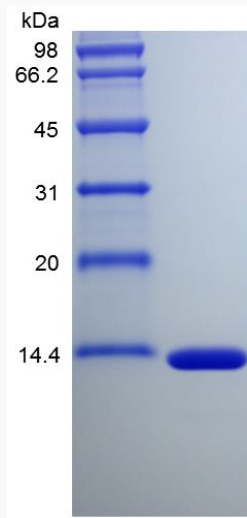
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MIM 600422

UniProt ID P51161

**SDS-PAGE of
FABP6-356H**



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