

Recombinant Human FABP4

Cat. No. FABP4-3636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FABP4, fused with N-terminal methionin (highlighted), was expressed in E. coli.
Species	Human
Source	E.coli
Description	FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. 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 phosphate bufferd saline.
Molecular Mass	14.7 kDa (calculated)
AA Sequence	MCDAFVG TWK LVSSNFDDY MKEVG VGFAT RKVAGMAKPN MIISVNGDVI TIKSESTFKN TEISFILGQE FDEVTADDRK VKSTITLDGG VLVHVQKWDG KSTTIK RKRE DDKLVVECVM KGV TSTRVYE RA
Purity	>90%
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein.SDS PAGE to determine purity of the

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	protein.
Notes	This product is intended for research use only.
Storage	Store lyophilized protein at –20°C. Lyophilized protein remains stable until the expiry date when stored at –20°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 a limited period of time; it does not show any change after one week at 4°C.
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.
Shipping	At ambient temperature. Upon receipt, store the product at the temperature recommended below.

GENE INFORMATION

Gene Name	FABP4?fatty acid binding protein 4, adipocyte [?Homo sapiens?(human)]
Official Symbol	FABP4
Synonyms	Fatty Acid Binding Protein, Adipocyte; FABP-4; Adipocyte lipid-binding protein; A-FABP; ALBP; Adipocyte Bindng Protein AP2;FABP4; fatty acid binding protein 4, adipocyte; aP2; A-FABP; AFABP; Adipocyte lipid-binding protein; Fatty acid-binding protein 4
Gene ID	2167

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mRNA Refseq	NM_001442
Protein Refseq	NP_001433
MIM	600434
UniProt ID	P15090
Chromosome Location	8q21
Pathway	Developmental Biology; PPAR signaling pathway; Transcriptional regulation of white adipocyte differentiation
Function	fatty acid binding; transporter activity

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