

Recombinant Human Fatty Acid Binding Protein 5

Cat. No. FABP5-527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FABP5 was expressed in <i>E.coli</i> and purified by conventional chromatography. MW =15kDa (135aa).
Species	Human
Source	E.coli
Description	FABP5 is a member of the intracellular fatty acid binding protein (FABP) family, which is known for the ability to specifically bind fatty acids (FAs) with high affinity for stearic and linoleic acids. FABP5 is expressed in endothelial cells of the microvasculature of the placenta, heart, skeletal muscle, small intestine, lung, and renal medulla. FABP4 and FABP5 are closely related and both are expressed in adipocytes. Absence of FABP5 resulted in increased systemic insulin sensitivity in two models of obesity and insulin resistance.
Amino Acid Sequence	MATVQQLEGR WRLVDSKGF D EYMKELGVGI ALRKMGAMAK PDCIITCDGKNLTIKTESTL KTTQF SCTLG EKFEETTADG RKTQTVCNFT DGALVQHQEWDGKESTI TRK LKDGKLVVEC VMNNVTCTRI YEKVE.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [FABP5 fatty acid binding protein 5 \(psoriasis-associated\) \[Homo sapiens \]](#)

Synonyms FABP5; fatty acid binding protein 5 (psoriasis-associated); EFABP; E-FABP; PAFABP; PA-FABP; fatty acid binding protein 5 (psoriasis-associated); Psoriasis-associated fatty acid-binding protein homolog; Fatty acid-binding protein 5

Gene ID [2171](#)

mRNA Refseq [NM_001444](#)

Protein Refseq [NP_001435](#)

MIM [605168](#)

UniProt ID [Q01469](#)

Chromosome Location 8q21.13

Pathway AR signaling pathway

Function ty acid binding; protein binding; transporter activity

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