

Recombinant human FABP5/E-FABP protein

Catalog Number: FAB0805

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-135aa

UniProt No.

Q01469

NCBI Accession No.

NP_001435

Alternative Names

Fatty acid binding protein 5, EFABP, E-FABP, PAFABP, PA-FABP, Fatty acid binding protein 5, Fatty acid-binding protein epidermal, FABP5, Fatty acid binding protein 5, fatty acid binding protein 5 (psoriasis-associated),

PRODUCT SPECIFICATION

Molecular Weight

15.1 kDa (135aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human

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FABP5 was expressed in E. coli and purified by conventional chromatography.

Amino acid Sequence

MATVQQLEGR WRLVDSKGF D EYMKELG VGI ALRKMGAMA K PDCIITCDG K NLTIKTESTL KTTQFSCTLG EKFEETTADG RKTQTVCNFT DGALVQH QEW DGKESTITR K LKDGKLVVEC VMNNVTCTRI YEKVE

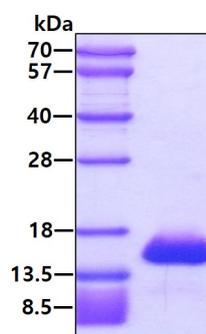
General References

Hagens G., et al: (1999) *Biochem.J* ; 339 (Pt 2): 419-27

Hohoff C., et al: (1999) *Biochemistry* ; 38 (38): 12229-39

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.