Product Information

Recombinant human FABP5/E-FABP protein

Catalog Number: IBFAB0805

PRODUCT INPORMATION

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

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

Amino acid Sequence

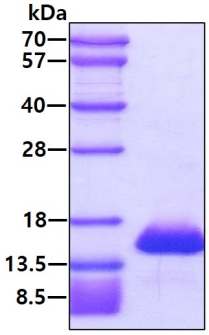
MATVQQLEGR WRLVDSKGFD EYMKELGVGI ALRKMGAMAK PDCIITCDGK NLTIKTESTL KTTQFSCTLG EKFEETTADG RKTQTVCNFT DGALVQHQEW DGKESTITRK LKDGKLVVEC VMNNVTCTRI YEKVE

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.

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