Recombinant Human FABP4/A-FABP/ALBP Protein

Catalog No.: RP00008

Sequence Information

Species
Human

Gene ID
2167

Swiss Prot
P15090

Tags
No tag

Synonyms
A-FABP, AFABP, ALBP, HEL-S-104, aP2,FABP4,AFABP,ALBP,HEL-S-104,aP2

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
14.59 kDa

Observed MW
15 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Fatty acid-binding protein, adipocyte, also known as Adipocyte-type fatty acid-binding protein. It is a cytoplasm protein which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. In familial combined hyperlipidemia (FCHL), FABP4 correlated to body mass index (BMI), waist circumference and homeostasis model assessment (HOMA) index. FABP4 levels were associated with triglyceride-rich lipoproteins. In humans serum FABP4 levels correlate significantly with features of PCOS. It appears to be a determinant of atherogenic dyslipidemia. FABP4 pathway mediates the sebaceous gland hyperplasia in keratinocyte-specific Pten-null mice. FABP4 concentration significantly increased with an increasing of MS features and was strongly correlated with body-mass index, triglycerides, HDL-cholesterol concentrations and blood pressure. FABP4 is a strong plasma marker of metabolic disturbances in HIV-infected patients, and therefore, could serve to guide therapeutic intervention in this group of patients.

Basic Information

Description
Recombinant Human FABP4/A-FABP/ALBP Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Cys2-Ala132) of human FABP4 (Accession #NP_001433.1).

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

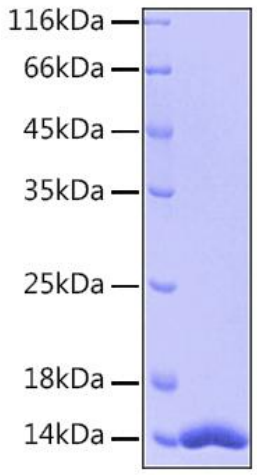
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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Validation Data



Recombinant Human FABP4/A-FABP/ALBP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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