

Catalog No.: RP00008 **Recombinant**

Species	Gene ID	Swiss Prot
Human	2167	P15090

No tag

A-FABP; AFABP; ALBP; HEL-S-104;
aP2; FABP4; AFABP; ALBP; HEL-S-104; aP2

Source <i>E. coli</i>	Purification ≥ 95 % as determined by SDS-PAGE.
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Calculated MW	Observed MW
14.59 kDa	15 kDa

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

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

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

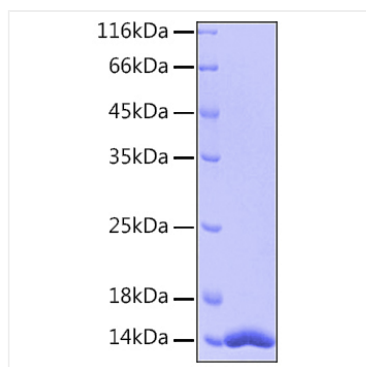
Recombinant Human FABP4/A-FABP/ALBP Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Cys2-Ala132) of human FABP4 (Accession #NP_001433.1).

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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