

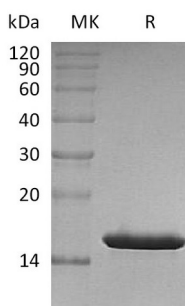
Product Name: Recombinant Human FABP4 (N-6His)
Catalog #: PEH0617



Summary

Name	FABP4/A-FABP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Fatty Acid-Binding Protein 4 is produced by our E.coli expression system and the target gene encoding Cys2-Ala132 is expressed with a 6His tag at the N-terminus.
Accession #	P15090
Host	E.coli
Species	Human
Predicted Molecular Mass	16.88 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human FABP4 (N-6His)
Catalog #: PEH0617



Alternative Names

Fatty Acid-Binding Protein Adipocyte; Adipocyte Lipid-Binding Protein; ALBP; Adipocyte-Type Fatty Acid-Binding Protein; A-FABP; AFABP; Fatty Acid-Binding Protein 4

Background

Fatty Acid-Binding Protein 4 (FABP4) is a cytoplasm protein that belongs to the fatty-acid binding protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP4 is expressed in a differentiation-dependent fashion in adipocytes and is a critical gene in the regulation of the biological function of these cells. FABP4 is thought to participate in Lipid transport protein in adipocytes. FABP4 binds to the long chain fatty acids and retinoic acid, delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus. FABP4 modulates inflammatory responses and cholesterol ester accumulation. FABP4 is a plasma marker of metabolic disturbances in HIV-infected patients, and therefore, could serve to guide therapeutic intervention in this group of patients.

Note

For Research Use Only , Not for Diagnostic Use.