

# Recombinant Human FABP5 Protein

Catalog Number:PKSH030810



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

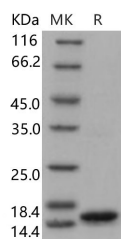
## Description

<b>Synonyms</b>	Fatty Acid-Binding Protein Epidermal;Epidermal-Type Fatty Acid-Binding Protein;E-FABP;Fatty Acid-Binding Protein 5;Psoriasis-Associated Fatty Acid-Binding Protein Homolog;PA-FABP;FABP5
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Glu 135
<b>Accession</b>	Q01469
<b>Calculated Molecular Weight</b>	15.2 kDa
<b>Tag</b>	None

## Properties

<b>Purity</b>	> 92 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile 50mM Tris, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 92 % as determined by reducing SDS-PAGE.

## Background

Fatty acid-binding protein; also known as Epidermal-type fatty acid-binding protein; Fatty acid-binding protein 5; Psoriasis-associated fatty acid-binding protein homolog; E-FABP and FABP5; is a cytoplasm protein which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Fatty acid-binding proteins (FABPs) are postulated to serve as lipid shuttles that solubilize hydrophobic fatty acids and deliver them to appropriate intracellular sites. E-FABP / FABP5 is predominantly expressed in keratinocytes and is overexpressed in the actively proliferating tissue characteristic of psoriasis and wound healing. E-FABP / FABP5 exhibits an important role in binding free fatty acids; as well as regulating lipid metabolism and transport. E-FABP / FABP5 has high specificity for fatty acids. It has highest affinity for C18 chain length. Decreasing the chain length or introducing double bonds reduces the affinity of

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

# Recombinant Human FABP5 Protein

Catalog Number:PKSH030810



---

FABP5, E-FABP / FABP5 may be involved in keratinocyte differentiation.

---

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Tel: 1-832-243-6086

Fax: 1-832-243-6017

Web: [www.elabscience.com](http://www.elabscience.com)

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)