



## Synonym

FABP5,E-FABP,PA-FABP

## Source

Human FABP5, His Tag(FA5-H5140) is expressed from E. coli cells. It contains AA Ala 2 - Glu 135 (Accession # [AAH19385](#)).

Predicted N-terminus: Met

## Molecular Characterization

Poly-his FABP5(Ala 2 - Glu 135)  
AAH19385

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 16.0 kDa. The protein migrates as 16 kDa under reducing (R) condition (SDS-PAGE).

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

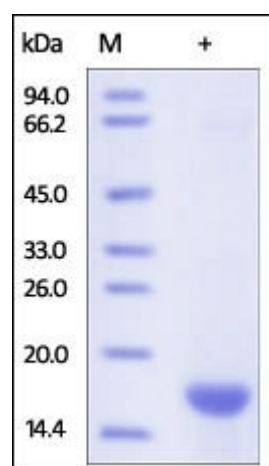
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Human FABP5, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Background

Fatty acid-binding protein 5 (FABP5), is also known as Fatty acid-binding protein, epidermal (E-FABP), Psoriasis-associated fatty acid-binding protein homolog (PA-FABP). FABP5 / E-FABP belongs to the calycin superfamily and fatty-acid binding protein (FABP) family. FABP5 / E-FABP is highly expressed in psoriatic skin. FABP5 / E-FABP has high specificity for fatty acids and has highest affinity for C18 chain length. FABP5 may be involved in keratinocyte differentiation.

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