

## Recombinant Human FABP5 protein, His-tagged

**Cat. No.** FABP5-366H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FABP5 protein (Ala2-Glu135), fused to His tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	134
<b>Description</b>	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.
<b>Form</b>	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
<b>Molecular Mass</b>	The protein has a calculated MW of 16 kDa. The protein migrates as 16 kDa under reducing (R) condition (SDS-PAGE).
<b>Endotoxin</b>	Less than 1.0 EU per ug by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.

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**Storage**

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

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

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

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** FABP5

**Official Symbol** FABP5

**Synonyms** FABP5; fatty acid binding protein 5 (psoriasis-associated); fatty acid-binding protein, epidermal; E FABP; KFABP; PA FABP; epidermal-type fatty acid-binding protein; psoriasis-associated fatty acid-binding protein homolog; EFABP; E-FABP; PAFABP; PA-FABP

**Gene ID** 2171

**mRNA Refseq** NM\_001444

**Protein Refseq** NP\_001435

**MIM** 605168

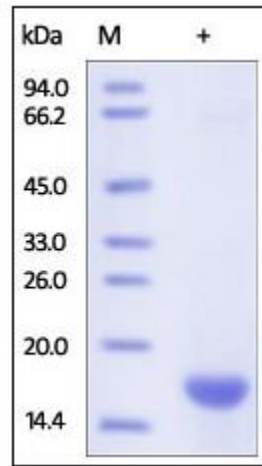
**UniProt ID** Q01469

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**SDS-PAGE of  
FABP5-366H**



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

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