

## Recombinant Human FABP5

Catalog No: C137

<b>Description</b>	Recombinant Human Fatty Acid-Binding Protein 5 is produced by our E.coli expression system and the target gene encoding Ala2-Glu135 is expressed with a 6His tag at the N-terminus.
<b>Expression System</b>	E.coli
<b>Alternative name</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>Accession No.</b>	Q01469

<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Reconstitution</b>	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.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

<b>Background</b>	Fatty acid-binding protein 5 (FABP5) 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. FABP5 can be expressed in keratinocytes, and is highly expressed in psoriatic skin. FABP5 has been shown to be involved in keratinocyte differentiation. FABP5 has high specificity for fatty acids, the highest affinity for C18 chain length. FABP5 can decrease the chain length or introduce double bonds to reduce the affinity.
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### SDS-PAGE

