Recombinant Human FABP5 Protein (His Tag)

Catalog No. PKSH033325

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

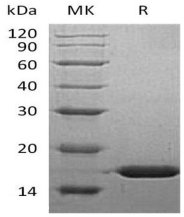
Description

Synonyms	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
Species	Human
Expression Host	E.coli
Sequence	Ala2-Glu135
Accession	Q01469
Calculated Molecular Weight	17.3 kDa
Observed molecular weight	16 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. 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.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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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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