Human FABP5 / E-FABP Protein, His Tag

Catalog # FA5-H5140

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

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).

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

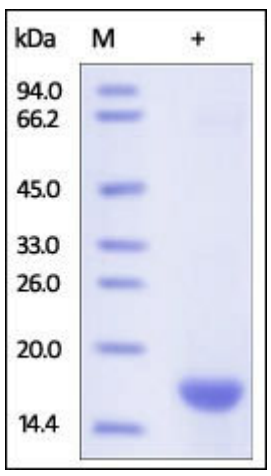
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.