



## Synonym

FABP3, H-FABP, FABP11, MDGI, M-FABP, hFABP, O-FABP

## Source

Human FABP3, His Tag(FA3-H5128) is expressed from E. coli cells. It contains AA Met 1 - Ala 133 (Accession # [NP\\_004093](#)).

Predicted N-terminus: Met 1

## Molecular Characterization

FABP3(Met 1 - Ala 133)  
NP\_004093

Poly-his

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

The protein has a calculated MW of 15.7 kDa. The protein migrates as 15-17 kDa under reducing (R) condition (SDS-PAGE).

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 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

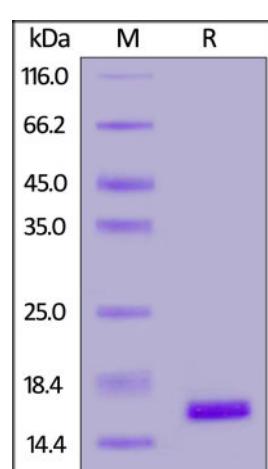
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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 FABP3, 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 3 (FABP3) is also known as Heart-type fatty acid binding protein (H-FABP), Mammary-derived growth inhibitor (MDGI), Muscle fatty acid-binding protein (M-FABP), FABP11, which belongs to the calycin superfamily and fatty-acid binding protein (FABP) family. FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. H-FABP / FABP3 is involved in active fatty acid metabolism where it transports fatty

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## Human FABP3 / H-FABP Protein, His Tag

Catalog # FA3-H5128



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acids from the cell membrane to mitochondria for oxidation. FABP3 may also contribute to AS160 phosphorylation by maintaining insulin-dependent Akt activation in the cells under a lipotoxic condition.

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