

**Synonym**

FABP1, FABPL, L-FABP

**Source**

Human FABP1, His Tag(FA1-H5148) is expressed from E. coli cells. It contains AA Ser 2 - Ile 127 (Accession # [NP\\_001434](#)).

Predicted N-terminus: Met

**Molecular Characterization**

Poly-his

FABP1(Ser 2 - Ile 127)  
NP\_001434

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

The protein has a calculated MW of 15.0 kDa. The protein migrates as 15-16 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.*

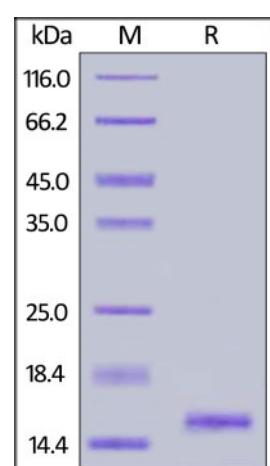
**Storage**

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 FABP1, 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 1 (FABP1) is also known as Fatty acid-binding protein, liver (FABPL), Liver-type fatty acid-binding protein (L-FABP). FABP1 / FABPL belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP1 / L-FABP binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. FABP1 may be involved in intracellular lipid transport.

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# Human FABP1 / L-FABP Protein, His Tag

Catalog # FA1-H5148



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