

**Product Name: Recombinant Human FABP2 (N, C-6His)**  
**Catalog #: PEH0615**



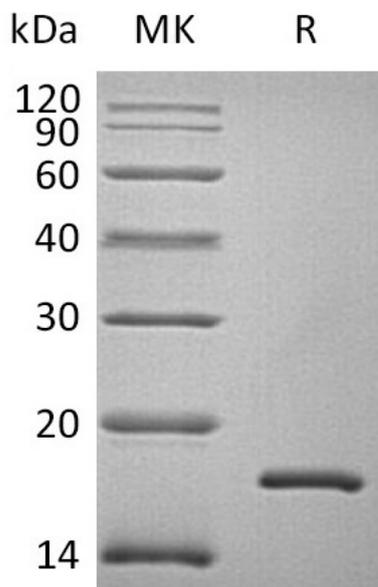
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## Summary

<b>Name</b>	FABP2/I-FABP
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Fatty Acid-Binding Protein 2 is produced by our E.coli expression system and the target gene encoding Met1-Asp132 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.
<b>Accession #</b>	P12104
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	18.44 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 50 mM NaCl, 8% Trehalose, 0.05% Tween80, pH6.0.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### **Alternative Names**

Fatty Acid-Binding Protein Intestinal; Fatty Acid-Binding Protein 2; Intestinal-Type Fatty Acid-Binding Protein; I-FABP; FABP2; FABPI

### **Background**

Fatty Acid-Binding Protein 2 (FABP2) 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. FABP2 is expressed in the small intestine and at much lower levels in the large intestine, the highest expression levels in the jejunum. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis and may also help maintain energy homeostasis by functioning as a lipid sensor.

### **Note**

For Research Use Only , Not for Diagnostic Use.