

FABP4 Protein, Human (His)

Cat. No.:	HY-P70293
Synonyms:	rHuFatty acid-binding protein adipocyte/FABP4, His; Fatty Acid-Binding Protein Adipocyte; Adipocyte Lipid-Binding Protein; ALBP; Adipocyte-Type Fatty Acid-Binding Protein; A-FABP; AFABP; Fatty Acid-Binding Protein 4
Species:	Human
Source:	E. coli
Accession:	P15090 (C2-A132)
Gene ID:	2167
Molecular Weight:	Approximately 15.0 kDa

PROPERTIES

AA Sequence	<p>C D A F V G T W K L V S S E N F D D Y M K E V G V G F A T R K V A G M A K P N M</p> <p>I I S V N G D V I T I K S E S T F K N T E I S F I L G Q E F D E V T A D D R K V</p> <p>K S T I T L D G G V L V H V Q K W D G K S T T I K R K R E D D K L V V E C V M K</p> <p>G V T S T R V Y E R A</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	FABP4, a lipid transport protein predominantly expressed in adipocytes, serves as a crucial mediator in lipid and retinoic acid transport. Its role involves binding to both long-chain fatty acids and retinoic acid, facilitating their delivery to respective receptors within the nucleus. FABP4 functions as a monomer and can form homodimers. Additionally, it engages in interactions with PPARγ, contributing to its involvement in key processes related to fatty acid metabolism and signaling pathways.
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Caution: Product has not been fully validated for medical applications. For research use only.

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