

FABP1/L-FABP Protein, Human (His, solution)

Cat. No.:	HY-P70264A
Synonyms:	rHuFatty acid-binding protein/FABP1, His; Fatty Acid-Binding Protein Liver; Fatty Acid-Binding Protein 1; Liver-Type Fatty Acid-Binding Protein; L-FABP; FABP1; FABPL
Species:	Human
Source:	E. coli
Accession:	P07148 (M1-I127)
Gene ID:	2168
Molecular Weight:	Approximately 15.0 kDa

PROPERTIES

AA Sequence	<p>M S F S G K Y Q L Q S Q E N F E A F M K A I G L P E E L I Q K G K D I K G V S E</p> <p>I V Q N G K H F K F T I T A G S K V I Q N E F T V G E E C E L E T M T G E K V K</p> <p>T V V Q L E G D N K L V T T F K N I K S V T E L N G D I I T N T M T L G D I V F</p> <p>K R I S K R I</p>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 0.5 M Argine, 50% Glycerol, 2 mM EDTA, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The FABP1/L-FABP protein plays a vital role in the uptake of cholesterol mediated by lipoproteins in hepatocytes. It has been shown to specifically bind cholesterol, as well as other molecules such as free fatty acids and their coenzyme A derivatives, along with bilirubin, within the cytoplasm. Additionally, there is a possibility that FABP1/L-FABP is involved in intracellular lipid transport, based on similarities with other proteins.
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Caution: Product has not been fully validated for medical applications. For research use only.

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