FABP3 Protein, Mouse

Cat. No.:	HY-P75218
Synonyms:	Fatty acid-binding protein, heart; H-FABP; MDGI; Fabp3
Species:	Mouse
Source:	E. coli
Accession:	P11404 (M1-A133)
Gene ID:	14077
Molecular Weight:	Approximately 14.8 kDa

PROPERTIES

AA Sequence	M A D A F V G T W K L V D S K N F D D Y M K S L G V G F A T R Q V A S M T K P T T I I E K N G D T I T I K T Q S T F K N T E I N F Q L G I E F D E V T A D D R K V K S L V T L D G G K L I H V Q K W N G Q E T T L T R E L V D G K L I L T L T H G S V V S T R T Y E K E A
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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	The FABP3 protein, a member of the fatty acid-binding protein (FABP) family, is implicated in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. As a representative of this protein family, FABP3 likely participates in facilitating the movement of fatty acids within cells, contributing to various cellular processes such as lipid metabolism, energy production, and cellular signaling. By binding and transporting long-chain fatty acids, FABP3 plays a crucial role in regulating the availability and utilization of these essential molecules within cells. The functional implications of FABP3's involvement in fatty acid transport underscore its significance in maintaining cellular homeostasis and metabolic balance, making it a key player in lipid-related processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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