

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	H-FABP, Human, Recombinant (E.coli-derived)		
Catalog number	HC2105		
Lot number	-	Expiry date	-
Volume	Reconstitute with 1 ml distilled/de-ionized water	Activity	N.A.
Formulation	Lyophilized in PBS	Amount	>50 µg
Host Species	Recombinant N-terminal His-tag protein expressed in E.coli, MW 19 kD	Concentration	N.A.
Endotoxin	N.A.	Purification	N.A.
Storage	4°C	Purity	>95%

Application notes

For dilutions use protein stabilized phosphate buffered saline, pH 7. It is recommended that users test the reagent and determine their own optimal dilutions.

General Information

Description	Human heart fatty acid binding protein (H-FABP) is derived from the human FABP3 gene. FABPs are small intracellular proteins (~13-14 kDa) with a high degree of tissue specificity that bind long chain fatty acids. They are abundantly present in various cell types and play an important role in the intracellular utilization of fatty acids, transport and metabolism. There are at least nine distinct types of FABP, each showing a specific pattern of tissue expression. Due to its small size, FABP leaks rapidly out of ischemically damaged necrotic cells leading to a rise in serum levels. Ischemically damaged tissues are characterized histologically by absence (or low presence) of FABP facilitating recognition of such areas. H-FABP is localized in the heart, skeletal and smooth muscle, mammary epithelial cells, aorta, distal tubules of the kidney, lung, brain, placenta, and ovary.
Aliases	FABP3, Muscle fatty acid-binding protein, Mammary-derived growth inhibitor, Heart fatty acid binding protein.
Storage&stability	Lyophilized product should be stored at 4°C. Store stock solution in aliquots at -20°C. Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for at least one year.
Precautions	Caution: vial is under vacuum. For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Robbert Zwinkels

Date
23/03/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.