

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	E-FABP, Mouse, Recombinant		
Catalog number	HC1105		
Lot number	-	Expiry date	-
Volume	Reconstitute with 0.5 ml distilled/de-ionized water	Activity	N.A.
Formulation	Lyophilized product	Amount	>50 µg
Host Species	Mouse, E.coli-derived	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 7.4.

General Information

Description	FABPs are small intracellular proteins (~ 13-14 kDa) with a high affinity for small lipophilic ligands and were named according to the tissue from which they were initially isolated (FABP5, alias E-FABP, was originally isolated in the epidermal). FABPs are involved in the uptake and metabolism of fatty acids, in the maintenance of cellular membrane fatty acid levels, in intracellular trafficking of these substrates, in the modulation of specific enzymes of lipid metabolic pathways, and in the modulation of cell growth and differentiation. Members of the FABP family have a highly conserved sequence, 22-73% amino acid sequence similarity. FABP5 is one of the at least nine distinct types of FABP. FABP5 is expressed in skin, brain, lens, capillary, endothelium and retina. Elevated levels of FABP5 have been seen in prostate and bladder carcinoma. Recombinant mouse FABP5 is His-tagged and has the following amino acid sequence: MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSLKDLEGKWRLMESHGFEEYMKELGVGLALRKMAAMAKPDCIITCDGNNITVKTESTVKTTFVSCNLGEKFDETTADGRKTETVCTFQDQDGVQHQ QWDGKESTITRKLKDKGMIVECVMNATCTRVYEKVVQ (His-tag is underlined, bold sequence is Mouse FABP5).
Aliases	Epidermal-FABP, E-FABP, FABP5
Storage&stability	Lyophilized product should be stored at 4°C. Store stock solution after reconstitution in aliquots at -20°C. Repeated freeze and thaw cycles 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.