

## Product datasheet for **TP302737M**

### **FABP3 (NM\_004102) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC202737 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MVDAFLGTWKLVDSKNFDDYMKSLGVGFATRQVASMTKPTTIIKNGDILTLLKTHSTFKNTEISFKLGVE FDETTADDRKVKSIIVTLDGGKLVHLQKWDGQETTLVRELIDGKLILTLHGTAVCTRTRYEKEA  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	14.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004093</a>
<b>Locus ID:</b>	2170
<b>UniProt ID:</b>	<a href="#">P05413</a> , <a href="#">A0A384MDY5</a>
<b>RefSeq Size:</b>	1097



[View online »](#)

Cytogenetics: 1p35.2

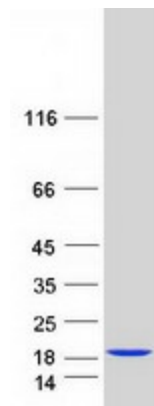
RefSeq ORF: 399

Synonyms: FABP11; H-FABP; M-FABP; MDGI; O-FABP

**Summary:** The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

**Protein Pathways:** PPAR signaling pathway

### Product images:



Coomassie blue staining of purified FABP3 protein (Cat# [TP302737]). The protein was produced from HEK293T cells transfected with FABP3 cDNA clone (Cat# [RC202737]) using MegaTran 2.0 (Cat# [TT210002]).