

Product datasheet for **TP302737**

FABP3 (NM_004102) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC202737 protein sequence Red =Cloning site Green =Tags(s) |
| | MVDAFLGTWKLVDKSNFDDYMKSLGVGFATRQVASMTKPTTIIKNGDILTLKTHSTFKNTEISFKLGVE FDETTADDRKVKSIIVTLDGGKLVHLQKWDGQETTLVRELIDGKLILTLHGTAVCTRTRYEKEA |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 14.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_004093 |
| Locus ID: | 2170 |
| UniProt ID: | P05413 |
| RefSeq Size: | 1097 |



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Cytogenetics: 1p35.2

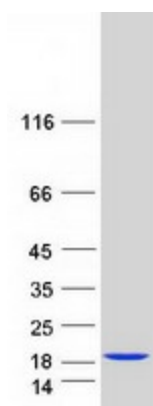
RefSeq ORF: 399

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]).