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# Product datasheet for TP720116L

## FABP3 (NM_004102) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3) |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | Val2-Ala133 |
| **Tag:** | N-His |
| **Predicted MW:** | 17 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >95% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | Lyophilized from a 0.2 um filtered solution of PBS,PH6.5. |
| **Endotoxin:** | < 0.1 EU per μg protein as determined by LAL test |
| **Reconstitution Method:** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **Storage:** | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| **Stability:** | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| **RefSeq:** | NP_004093 |
| **Locus ID:** | 2170 |
| **UniProt ID:** | P05413 |
| **Cytogenetics:** | 1p35.2 |
| **Synonyms:** | FABP11; H-FABP; M-FABP; MDGI; O-FABP |

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**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: