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# Product datasheet for TP790065

## FABP3 (NM_004102) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3), with N-terminal HIS tag, expressed in HEK293, 50ug |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | A DNA sequence from TrueORF clone, RC202737, encoding human full-length FABP3 |
| **Tag:** | N-His |
| **Predicted MW:** | 14.7 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 90% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | PBS, pH 7.4, 10% glycerol |
| **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 |
| **Cytogenetics:** | 1p35.2 |
| **RefSeq ORF:** | 399 |
| **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: