

## Recombinant Human FABP1 protein, MYC/DDK-tagged, C13/N15-labeled

**Cat. No.** FABP1-657H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Recombinant Human FABP1 fused with MYC/DDK tag at C-terminal was expressed in HEK293 and labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine.                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. This protein and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. |
| <b>Form</b>             | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 14 kDa                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                          |
| <b>Concentration</b>    | > 50 ug/ml as determined by BCA                                                                                                                                                                                                                                                                                                                                                                                 |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | FABP1 fatty acid binding protein 1, liver [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>     | FABP1                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | FABP1; fatty acid binding protein 1, liver; fatty acid-binding protein, liver; L FABP; fatty acid-binding protein 1; liver-type fatty acid-binding protein; FABPL; L-FABP;                                                                                                                                                                                                                                         |
| <b>Gene ID</b>             | 2168                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_001443                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_001434                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | 134650                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | P07148                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 2p11                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; |
| <b>Function</b>            | bile acid binding; chromatin binding; drug binding; fatty acid binding; long-chain fatty acid transporter activity; phospholipid binding; transporter activity;                                                                                                                                                                                                                                                    |

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