

# Recombinant Mouse IGFBP1 Protein (26-272 aa), His-SUMO-tagged

**Cat. No.** IGFBP1-574M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Mouse IGFBP1 Protein (26-272 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 26-272 aa                                                                                                                                                                                                                                                              |
| <b>Description</b>      | IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Promotes cell migration.     |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 42.9 kDa                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | APQPWHCAPCTAERLGLCPPVPASCPEISRPAGCGCCPTCALPMGAACGVATARC<br>AQGLSCRALPGEPRPLHALTRGQGACVPEPAAPATSTLFSSQHEEAKAAVVSADSL<br>SESPEMTEEQLLDSFHLMAPSREDQPILWNAISTYSSMRAREIADLKKWKEPCQREL<br>YKVLRLAAAQQKAGDEIYKFYLPNCNKNGFYHSKQCETSLDGEAGLCWCVPYPS<br>GKKIPGSLETRGDPNCHQYFNVHN |

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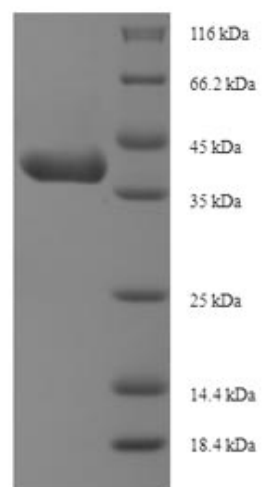
 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA with concentration instruction is sent along with the products.                                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | Igfbp1 insulin-like growth factor binding protein 1 [ Mus musculus ]                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | IGFBP1                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | IGFBP1; IBP-1; IGF-binding protein 1;                                                                                                                                                                                                                                                                               |
| <b>Gene ID</b>          | 16006                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_008341                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_032367                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | P47876                                                                                                                                                                                                                                                                                                              |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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