

## Active Recombinant Human IGFBP6, Met-tagged

**Cat. No.** IGFBP6-735H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human IGFBP6 (Accession # NP_002169) Ala25-Gly240, fused with an N-terminal Met, was produced in Mouse myeloma cell line, NS0-derived.                                                                                                               |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                            |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                  |
| <b>Predicted N Terminal</b> | Met                                                                                                                                                                                                                                                              |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in Acetonitrile and TFA.                                                                                                                                                                                              |
| <b>Bio-activity</b>         | Measured by its ability to inhibit the biological activity of IGF-I or IGF-II on MCF-7 human breast cancer cells. Karey, K.P. et al. (1988) Cancer Research 48:4083. The ED50 for this effect is typically 0.1 - 0.4 µg/mL in the presence of 14 ng/mL rhIGF-II. |
| <b>Molecular Mass</b>       | Recombinant Human IGFBP6, Met-tagged has a calculated MW of 23 kDa. In SDS-PAGE migrates as 34 kDa, reducing conditions.                                                                                                                                         |
| <b>Purity</b>               | >97%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                      |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                                                                    |

### GENE INFORMATION

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|                     |                                                                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | IGFBP6 insulin-like growth factor binding protein 6 [ Homo sapiens ]                                                                                                    |
| Official Symbol     | IGFBP6                                                                                                                                                                  |
| Synonyms            | IGFBP6; insulin-like growth factor binding protein 6; insulin-like growth factor-binding protein 6; IBP-6; IGFBP-6; IGF binding protein 6; IGF-binding protein 6; IBP6; |
| Gene ID             | 3489                                                                                                                                                                    |
| mRNA Refseq         | NM_002178                                                                                                                                                               |
| Protein Refseq      | NP_002169                                                                                                                                                               |
| MIM                 | 146735                                                                                                                                                                  |
| UniProt ID          | P24592                                                                                                                                                                  |
| Chromosome Location | 12q13                                                                                                                                                                   |

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