

Active Recombinant Human IGFBP3, Met-tagged

Cat. No. IGFBP3-489H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human IGFBP3 (Accession # CAA46087) Gly28-Lys291, fused with an N-terminal Met, was produced in Mouse myeloma cell line, NS0-derived. |
| Species | Human |
| Source | Mammalian Cells |
| ProteinLength | 28-291 a.a. |
| Predicted N Terminal | Met |
| Form | Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA. |
| Bio-activity | 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 0.05 - 0.15 µg/mL in the presence of 14 ng/mL rhIGF-II. |
| Molecular Mass | Recombinant Human IGFBP3, Met-tagged has a calculated MW of 29 kDa. In SDS-PAGE migrates as 41 kDa, reducing conditions. |
| Purity | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain. |
| Storage | 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). |

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GENE INFORMATION

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|----------------------------|---|
| Gene Name | IGFBP3 insulin-like growth factor binding protein 3 [Homo sapiens] |
| Official Symbol | IGFBP3 |
| Synonyms | IGFBP3; insulin-like growth factor binding protein 3; insulin-like growth factor-binding protein 3; acid stable subunit of the 140 K IGF complex; binding protein 29; binding protein 53; BP 53; growth hormone dependent binding protein; IBP3; IGF binding protein 3; IBP-3; IGFBP-3; IGF-binding protein 3; growth hormone-dependent binding protein; BP-53; |
| Gene ID | 3486 |
| mRNA Refseq | NM_000598 |
| Protein Refseq | NP_000589 |
| MIM | 146732 |
| UniProt ID | P17936 |
| Chromosome Location | 7p13-p12 |

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