Active Recombinant Human IGFBP3, Met-tagged

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

SPECIFICATION

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 (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

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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