Active Recombinant Human IGFBP4, Met-tagged

Cat. No. IGFBP4-191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP4 (Accession # AAA62670) Asp22-Glu258, fused with an N-terminal Met, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	22-258 a.a.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
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 0.03-0.09 μg/mL in the presence of 14 ng/mL recombinant human IGF-II.
Molecular Mass	Recombinant Human IGFBP4, Met-tagged has a calculated MW of 26 kDa. In SDS-PAGE migrates as 32 kDa, reducing conditions.
Purity	>97%, 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

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	months (-70ºC).

GENE INFORMATION

Gene Name	IGFBP4 insulin-like growth factor binding protein 4 [Homo sapiens]
Official Symbol	IGFBP4
Synonyms	IGFBP4; insulin-like growth factor binding protein 4; insulin like growth factor binding protein 4; insulin-like growth factor-binding protein 4; BP 4; HT29 IGFBP; IBP4; IGF binding protein 4; IGFBP 4; IBP-4; IGF-binding protein 4; BP-4; IGFBP-4; HT29-IGFBP;
Gene ID	3487
mRNA Refseq	NM_001552
Protein Refseq	NP_001543
MIM	146733
UniProt ID	P22692
Chromosome Location	17q12-q21.1

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