

Active Recombinant Human IGFBP2, Met-tagged

Cat. No. IGFBP2-477H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP2 (Accession # CAA34373) Glu40-Gln328, fused with an N-terminal Met, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	40-328 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 0.03 - 0.09 µg/mL in the presence of 14 ng/mL rhIGF-II.
Molecular Mass	Recombinant Human IGFBP2, Met-tagged has a calculated MW of 31 kDa. In SDS-PAGE migrates as 36 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

Gene Name	IGFBP2 insulin-like growth factor binding protein 2, 36kDa [Homo sapiens]
Official Symbol	IGFBP2
Synonyms	IGFBP2; insulin-like growth factor binding protein 2, 36kDa; IBP2, insulin like growth factor binding protein 2 (36kD); insulin-like growth factor-binding protein 2; IBP-2; IGFBP-2; IGF-binding protein 2; IBP2; IGF-BP53;
Gene ID	3485
mRNA Refseq	NM_000597
Protein Refseq	NP_000588
MIM	146731
UniProt ID	P18065
Chromosome Location	2q33-q34

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