

Active Recombinant Human IGFBP5 Protein (Met1-Glu272), His-tagged

Cat. No. IGFBP5-361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP5 Protein (NP_000590.1) (Met1-Glu272) was produced by Baculovirus-Insect Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Glu272
Predicted N Terminal	Leu 21
Form	Lyophilized from sterile 20 mM Tris, pH 8.0, 300 mM NaCl, 10 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit the biological activity of IGFI or IGFI on MCF7 human breast cancer cells. The ED50 for this effect is 0.10.5 µg/mL in the presence of 14 ng/mL rhIGFI.
Molecular Mass	The recombinant human IGFBP5 consists of 263 amino acids and predicts a molecular mass of 30 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IGFBP5 insulin-like growth factor binding protein 5 [Homo sapiens]
Official Symbol	IGFBP5
Synonyms	IGFBP5; insulin-like growth factor binding protein 5; IBP-5; IGFBP-5; IGF-binding protein 5; IBP5;
Gene ID	3488
mRNA Refseq	NM_000599
Protein Refseq	NP_000590

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MIM	146734
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UniProt ID	P24593
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