

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met1-Glu272
<b>Predicted N Terminal</b>	Leu 21
<b>Form</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	The recombinant human IGFBP5 consists of 263 amino acids and predicts a molecular mass of 30 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>Shipping</b>	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

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

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<b>MIM</b>	146734
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<b>UniProt ID</b>	P24593
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