

## IGFBP3

### Human Recombinant Insulin-like Growth Factor Binding Protein 3

<b>Catalog No.</b>	BP3BU020 BP3BU100	<b>Quantity:</b>	20 µg 100 µg
<b>Alternate Names:</b>	IGFBP-3, IBP-3, IGF-binding protein 3		
<b>Description:</b>	Human Insulin-like growth factor binding protein-3 (IGFBP-3) is a 264 amino acid protein which is a member of a family of six circulating proteins that bind IGF-I and IGF-II with high affinity and modulate their metabolic and mitogenic effects. Human IGFBP-3 is a 40-44 kDa glycoprotein that is the most abundant IGFBP in serum and milk. It is produced by non-parenchymal hepatic cells and circulates in serum, binding IGF-I or IGF-II in conjunction with an acid labile subunit (ALS) to form a (1:1:1) 150 kDa circulating complex at a serum concentration of about 100 nM. Phosphorylation of IGFBP-3 also affects its biological activity.		
<b>UniProt ID:</b>	P17936		
<b>Gene ID:</b>	3486		
<b>Source:</b>	Expressed in a mammalian cell expression system		
<b>Molecular Weight:</b>	Glycosylated IGFBP-3: 43-45 kDa Non-glycosylated IGFBP-3: 28.76 kDa		
<b>Formulation:</b>	Lyophilized from 0.1 M acetic acid and stored under dry nitrogen at a slight vacuum (-25 kPa).		
<b>Purity:</b>	> 95% by FPLC and SDS-PAGE Characteristic doublet of glycoforms detected by Western Ligand blotting		
<b>Endotoxin Level:</b>	< 0.1 EU/µg		
<b>Reconstitution:</b>	See Protocol 1100, Handling of IGF Binding Proteins 1-6		
<b>Application Notes:</b>	Protocol 3004 Procedure for Western Ligand blotting using biotinylated IGF-I or IGF-II		
<b>Storage &amp; Stability:</b>	Store as supplied for up to 1 year at 2-8°C.		

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