

igfbp4

## Rat Insulin-like Growth Factor Binding Protein 4

<b>Catalog No.</b>	BP4CU015	<b>Quantity:</b>	15 µg
<b>Alternate Names:</b>	IGFBP-4, IBP-4, IGF-binding protein 4		
<b>Description:</b>	<p>Rat Insulin-like growth factor binding protein-4 is a 233 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. Rat IGFBP-4 is present in biological fluids as an N-linked glycosylated form. IGFBP-4 is primarily an inhibitor of IGF action and does not generally bind to cell surfaces.</p> <p>This product has an N-terminal glycine and is non-glycosylated. [Gly1]IGFBP-4 has the same binding characteristics to IGF-I as glycosylated IGFBP-4.</p>		
<b>UniProt ID:</b>	P21744		
<b>Gene ID:</b>	360622		
<b>Source:</b>	Expressed in <i>E. coli</i>		
<b>Molecular Weight:</b>	Non-glycosylated rat IGFBP-4 is 25.7 kDa		
<b>Formulation:</b>	Lyophilized from 10 mM HCl and stored under dry nitrogen at a slight vacuum (-25 kPa)		
<b>Purity:</b>	> 95% by HPLC and SDS-PAGE		
<b>Endotoxin Level:</b>	< 0.1 EU/µg		
<b>Biological Activity:</b>	Binding of IGF-I: IC <sub>50</sub> = 0.24 nM		
<b>Reconstitution:</b>	See Protocol 1100, Handling of IGF Binding Proteins 1-6		
<b>Application Notes:</b>	Protocol 3003 Procedure for Western Ligand blotting using iodinated IGF-I or IGF-II 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. <b>Avoid repeated freeze-thaw cycles.</b>		

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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