

## Igfbp5

# Recombinant Mouse Insulin-like Growth Factor Binding Protein 5

<b>Catalog No.</b>	BP5DU010	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	IGFBP-5, IGF-binding protein 5, IBP-5		
<b>Description:</b>	<p>Mouse insulin-like growth factor binding protein-5 (IGFBP-5) is a 252 amino acid protein which preferentially binds IGF-II compared to IGF-I. It is highly conserved with approximately 97% sequence identity to human IGFBP-5. It is functionally similar to human IGFBP-5 and inhibits the effects of IGF peptides. It binds to extra-cellular matrix proteins which protect it from proteolysis and modify its biological functions.</p> <p>Recombinant Mouse IGFBP-5 has a 5 amino acid N terminal extension (GPLGS).</p>		
<b>UniProt ID:</b>	Q07079		
<b>Gene ID:</b>	16011		
<b>Source:</b>	Expressed in an Origami™ B cell expression system		
<b>Molecular Weight:</b>	Non-glycosylated mouse IGFBP-5 is 28.5 kDa		
<b>Formulation:</b>	Lyophilized from a sterile filtered 0.1 M acetic acid and stored under dry nitrogen at a slight vacuum (-25 kPa).		
<b>Purity:</b>	> 90.0% as determined by SDS-PAGE.		
<b>Endotoxin Level:</b>	< 0.1 EU/µg		
<b>Biological Activity:</b>	<p>Binds IGF-I in western ligand blot.</p> <p>Binding affinity for IGF-I : 0.2 nM (Biosensor).</p>		
<b>Reconstitution:</b>	See Protocol 1100, Handling of IGF Binding Proteins 1-6		
<b>Application Notes:</b>	<p>Protocol 3003 Procedure for Western Ligand blotting using iodinated IGF-I or IGF-II</p> <p>Protocol 3004 Procedure for Western Ligand blotting using biotinylated IGF-I or IGF-II</p>		
<b>Storage &amp; Stability:</b>	Store for up to 1 year when kept at 2-8°C. <b>Avoid freeze/thaw cycles.</b>		

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