



# Recombinant Rat Insulin-like growth factor-binding protein 4 (Igfbp4)

<b>Product Code</b>	CSB-YP011098RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P21744
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	DEAIHCPPC SEEKLARCRP PVGCEELVRE PGCGCCATCA LGLGMPCGVY TPRCGSGMRC YPPRGVEKPL RTLMHGQGVV TELSEIAIQ ESLQTSKDDE SEHPNNSFNP CSAHDHRCLQ KHMAKVRDRS KMKVVGTPRE EPRPVPQGSC QSELHRALER LAASQSRTHE DLFIIPIPNC DRNGNFHPKQ CHPALDGQRG KCWCVDRKTG VKLPGGLEPK GELDCHQLAD SLQE
<b>Source</b>	Yeast
<b>Target Names</b>	Igfbp4
<b>Protein Names</b>	Recommended name: Insulin-like growth factor-binding protein 4 Short name= IBP-4 Short name= IGF-binding protein 4 Short name= IGFBP-4
<b>Expression Region</b>	22-254
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.