Recombinant Rat Insulin-like growth factor-binding protein 1 (Igfbp1)

Product Code	CSB-YP011095RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21743
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	APQPW HCAPCTAERL ELCPPVPASC PEISRPAGCG CCPTCALPLG AACGVATARC AQGLSCRALP GEPRPLHALT RGQGACVLEP AAPATSSLSG SQHEEAKAAV ASEDELAESP EMTEEQLLDS FHLMAPSRED QPILWNAIST YSSMRAREIT DLKKWKEPCQ RELYKVLERL AAAQQKAGDE IYKFYLPNCN KNGFYHSKQC ETSLDGEAGL CWCVYPWSGK KIPGSLETRG DPNCHQYFNV QN
Source	Yeast
Target Names	Igfbp1
Protein Names	Recommended name: Insulin-like growth factor-binding protein 1 Short name= IBP-1 Short name= IGF-binding protein 1 Short name= IGFBP-1
Expression Region	26-272
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.
Reconstitution	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.
Shelf Life	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.