



# Recombinant Rat Phosphoglycerate kinase 1 (Pgk1)

<b>Product Code</b>	CSB-YP017856RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P16617
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SLSNKLTL D KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL MSHLGRPDGV PMPDKYSLEP VAAELKSLLG KDVLFKDCV GSEVENACAN PAAGTVILLE NLRFHVEEEG KGKDasGNKV KAEPKIDAF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN LPQKAGGFLM KKELNYFAKA LESP RPFLA ILGGAKVADK IQLINMLDK VNEMIIGGGM AFTFLKVLNN MEIGTSLYDE EGAKIVKDL M AKA EKNGVKI TLPVDFVTAD KFDENAKTGQ ATVASGIPAG WMGLDCGTES SKKYAEAVAR AKQIVWNGPV GVFEWEAFAR GTKSLMDEVV KATSRGCITI IGGGDATCC AKWNTEDKVS HVSTGGGASL ELLEGKVLPG VDALS NV
<b>Source</b>	Yeast
<b>Target Names</b>	Pgk1
<b>Protein Names</b>	Recommended name: Phosphoglycerate kinase 1 EC= 2.7.2.3
<b>Expression Region</b>	2-417
<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 protein is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. This gene lies on the X-chromosome, while a related pseudogene also has been found on the X-chromosome and another on chromosome 19.
<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.