



# Recombinant Horse Phosphoglycerate kinase 1 (PGK1)

<b>Product Code</b>	CSB-MP017856HO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P00559
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Equus caballus (Horse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SLSNKLTL D KLVNKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL MSHLGRPDVG PMPDKYSLQP VAVELKSLLG KDVLFKDCV GPEVEKACAD PAAGSVILLE NLRFHVEEEG KGKDASGNKV KAEPAKIETF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN LPQKAGGFLM KKELNYFAKA LESP RPFLA ILGGAKVADK IQLINNMLDK VNEMIIGGGM AFTFLKVLNN MEIGTSLFDE EGAKIVKNLM SKAEKNGVKI TLPVDFVTAD KFDENAKTGQ ATVASGIPAG WMGLDCGTES SKKYAEAVAR AKQIVWNGPV GVFWEAFAR GTKALMDEVV KATSRGCITI IGGGDTATCC AKWNTEDKVS HVSTGGGASL ELLEGKVLPG VDALS NV
<b>Source</b>	Mammalian cell
<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.