



Recombinant Mouse Pyruvate kinase isozymes R/L (Pklr)

Product Code	CSB-EP018071MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P53657
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSVQENELPQ QLWPWIFKSQ KDLAKSALSG APGGPAGYLR RASVAQLTQE LGTAFFQQQQ LPAAMADTFL EHLCLLDIDS EPVAARSTSI IATIGPASRS VDRLKEMIKA GMNIARLNFS HGSHEYHAES IANIREAAES FATSPLSYRP VAIALDTKGP EIRTGVLQGG PESEVEIVKG SQVLVTVDPK FRTRGDAKT WVDYHNITQV VAVGGRIYID DGLISLVVRK IGPEGLVTEV EHGGFLGNRK GVNLPNAEVD LPGLSEQDLL DLRFGVEHYV DIIFASFVRK ASDVVAVRDA LGPEGRGIKI ISKIENHEGV KKFDEILEVS DGIMMARGDL GIEIPA EKVF LAQKMMIGRC NLAGKPVVCA TQMLESMITK ARPTRAETSD VANAVLDGAD CIMLSGETAK GSFPVEAVKM QHAIAREAEA AVYHRQLFEE LRRAAPLSRD PTEVTAIGAV EASFKCCAAA IIVLTKTGRS AQLLSRYRPR AAVIAVTRSA QAARQVHLSR GVFP LLYREP PEAVWADDVD RRVQFGIESG KLRGFLRVGD LVIVVTGWRP GSGYTNIMRV LTIS
Source	E.coli
Target Names	Pklr
Protein Names	Recommended name: Pyruvate kinase isozymes R/L EC= 2.7.1.40 Alternative name(s): L-PK
Expression Region	1-574
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 protein
Target Details	This protein is a pyruvate kinase that catalyzes the transphosphorylation of phosphenolpyruvate into pyruvate and ATP, which is the rate-limiting step of glycolysis. Defects in this enzyme, due to gene mutations or genetic variations, are the common cause of chronic hereditary nonspherocytic hemolytic anemia (CNSHA or HNSHA). Multiple transcript variants encoding different isoforms have been found for this gene.
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.