



Recombinant Human Pyruvate kinase isozymes R/L (PKLR)

Product Code	CSB-MP018071HU
Storage	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.
Uniprot No.	P30613
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSIQENISSL QLRSWVSKSQ RDLAKSILIG APGGPAGYLR RASVAQLTQE LGTAFFQQQQ LPAAMADTFL EHLCLLDIDS EPVAARSTSI IATIGPASRS VERLKEMIKA GMNIARLNFS HGSHEYHAES IANVREAVES FAGSPLSYRP VAIALDTKGP EIRTGILQGG PESEVELVKG SQVLVTDPA FRTRGNANTV WVDYPNIVRV VPVGGRIYID DGLISLVVQK IGPEGLVTQV ENGGVLGSRK GVNLPGAQVD LPGLSEQDVR DLRFGVEHGV DIVFASFVRK ASDVAAVRAA LGPEGHGIKI ISKIENHEGV KRFEILEVS DGIMVARGDL GIEIPAEEKVF LAQKMMIGRC NLAGKPVVCA TQMLESMITK PRPTRAETSD VANAVLDGAD CIMLSGETAK GNFPVEAVKM QHAIAREAEA AVYHRQLFEE LRRAAPLSRD PTEVTAIGAV EAAFKCCAAA IIVLTTTGRS AQLLSRYRPR AAVIAVTRSA QAARQVHLCR GVFPALLYREP PEAIWADDVD RRVQFGIESG KLRGFLRVGD LVIVVTGWRP GSGYTNIMRV LSI
Source	Mammalian cell
Target Names	PKLR
Protein Names	Recommended name: Pyruvate kinase isozymes R/L EC= 2.7.1.40 Alternative name(s): Pyruvate kinase 1 R-type/L-type pyruvate kinase Red cell/liver pyruvate kinase
Expression Region	1-574
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? 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 phosphoenolpyruvate 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

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