

## Recombinant Human PKLR Protein

Catalog #	Source	Reactivity	Applications
CRP2110	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human PKLR Protein is produced by our mammalian expression system and the target gene encoding Met1-Ser574 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 1mM DTT, 0.2M NaCl, 10% glycerol, pH 8.0.
<b>Gene Symbol</b>	PKLR
<b>Alternative Names</b>	PK1; PKL; Pyruvate kinase PKLR; Pyruvate kinase 1; Pyruvate kinase isozymes L/R; R-type/L-type pyruvate kinase; Red cell/liver pyruvate kinase
<b>Entrez Gene</b>	5313 (Human)
<b>SwissProt</b>	P30613 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	MSIQENISSL QLRSWVSKSQ RDLAKSILIG APGGPAGYLR RASVAQLTQE LGTAFFQQQQ LPAAMADTFL EHLCLLDIDS EPVAARSTSI IATIGPASRS VERLKEMIKA GMNIARLNFS HGSHEYHAES IANVREAVES FAGSPLSYRP VAIALDTKGP EIRTGILQGG PESEVELVKG SQVLVTVDP A FRTRGNANTV WVDYPNIVRV VPGGRIYID DGLISLVVQK IGPEGLVTQV ENGGVLGSRK GVNLPGAQVD LPGLSEQDVR DLRFGVEHGV DIVFASFVRK ASDVAAVRAA LGPEGHGIKI ISKIENHEGV KRFDEILEVS DGIMVARGDL GIEIPA EKVF LAQKMMIGRC NLAGKPVVCA TQMLES MITK PRPTRAETSD VANAVLDGAD CIMLSGETAK GNFPVEAVKM QHAIAREAEA AVYHRQLFEE LRRAPLSRD PTEVTAIGAV EAAFKCCAAA IIVLTTTGRS AQLLSRYRPR AAVIAVTRSA QAARQVHLCR GVFP LLYREP PEAIWADDVD RRVQFGIESG KLRGFLRVGD LVIVVTGWRP GSGYTNIMRV LSISVDH HHH HH

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage/Stability</b>	Store it at -20°C to -80°C for one year.

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