

Product Data Sheet

Recombinant Human PKLR Protein

Catalog #	Source	Reactivity	Applications
CRP2110	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human PKLR Protein is produced by mammalian expression system and the target gene encoding Met1-Ser574 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 1mM DTT, 0.2M NaCl, 10% glycerol, pH 8.0.		
Gene Symbol	PKLR		
Alternative Names	PK1; PKL; Pyruvate kinase PKLR; Pyruvate kinase 1; Pyruvate kinase isozymes L/R; R-type/L-type pyruvate kinase; Red cell/liver pyruvate kinase		
Entrez Gene	5313 (Human)		
SwissProt	P30613 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	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 GIEIPAEEKVF LAQKMMIGRC NLAGKPVVCA TQMLESMTK PRPTRAETSD VANAFLDGAD CIMLSGETAK GNFPVEAVKM QHAIAREAEA AVYHRQLFEE LRRAAPLSRD PTEVTAIGAV EAAFKCCAAA IIVLTTTGRS AQLLSRYRPR AAVIAVTRSA QAARQVHLCR GVFPPLYREP PEAIWADDVD RRVQFGIESG KLRGFLRVGD LVIVVTGWRP GSGYTNIMRV LSISVDHHHH 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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Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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