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Datasheet for ABIN7318973 **PKLR Protein (His tag)**

Background:



Overview	
Quantity:	50 µg
Target:	PKLR
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKLR protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human PKLR Protein (His Tag)
Sequence:	Met 1-Ser574
Characteristics:	Recombinant Human Pyruvate Kinase, Liver And RBC is produced by our Mammalian expression system and the target gene encoding Met1-Ser574 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Target Details	
Target:	PKLR
Alternative Name:	PKLR (PKLR Products)
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Background: Pyruvate Kinase Isozymes R/L (PKLR) belongs to the pyruvate kinase family,

There are 4 isozymes of pyruvate kinase in mammals: L, R, M1 and M2. L type is major isozyme

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Target Details

	 in the liver, R is found in red cells, M1 is the main form in muscle, heart and brain, M2 is found in early fetal tissues. PKLR exists as a homotetramer and catalyzes the production of phosphoenolpyruvate from pyruvate and ATP. Defects in PKLR are also the cause of pyruvate kinase deficiency of red cells, which is a frequent cause of hereditary non-spherocytic hemolytic anemia. Synonym: Pyruvate Kinase Isozymes R/L, Pyruvate Kinase 1, R-Type/L-Type Pyruvate Kinase, Red Cell/Liver Pyruvate Kinase, PKLR, PK1, PKL
Molecular Weight:	62.9 kDa
UniProt:	P30613
Pathways:	Ribonucleoside Biosynthetic Process
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 1 mM DTT 0.2M NaCl, 10 % glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.