

Recombinant Human PKLR Protein, His-tagged

Cat. No. PKLR-207H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PKLR(Ile219~Met420) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile219~Met420
Description	The protein encoded by this gene is a pyruvate kinase that catalyzes the transphosphorylation of phohsphenolpyruvate 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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	25.2kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	PKLR pyruvate kinase, liver and RBC [Homo sapiens]
Official Symbol	PKLR
Synonyms	PKLR; pyruvate kinase, liver and RBC; pyruvate kinase isozymes R/L; pyruvate kinase 1; pyruvate kinase type L; pyruvate kinase isozyme R/L; R-type/L-type pyruvate kinase; red cell/liver pyruvate kinase; pyruvate kinase, liver and blood cell; PK1; PKL; PKR; RPK; PKRL;
Gene ID	5313
mRNA Refseq	NM_000298
Protein Refseq	NP_000289
MIM	609712

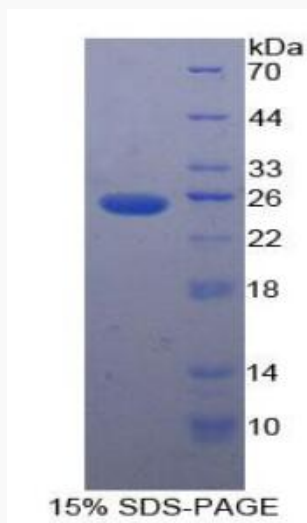
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UniProt ID

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