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Human recombinant protein PKLR

Human Recombinant PKLR
Catalog # PBV10609r

Specification

Human recombinant protein PKLR - Product info

Primary Accession	P30613
Concentration	1
Calculated MW	59.2 kDa (549 aa, 47-574 aa + NT His-Tag) KDa

Human recombinant protein PKLR - Additional Info

Gene ID	5313
Gene Symbol	PKLR

Other Names
Pyruvate kinase isozyme R/L, PK1, PKL, PKR, PKRL, RPK.

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>0.1 unit/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MLTQELGTAF FQQQQLPAAM ADTFLEHLCL LDIDSEPVAA RSTSIIATIG PASRSVERLK EMIKAGMNIA RLNFSHGSHE YHAESIANVR EAVESFAGSP LSYRPVAIAL DTKGPEIRTG ILQGGPESEV ELVKGSQVLV TVDPAFRTRG NANTVWVDYP NIVRVVPVGG RIYIDDGLIS LVVQKIGPEG LVTQVENGGV LGSRKGVNLP GAQVDLPGLS EQDVRDLRFG VEHGVDIVFA SFVRKASDVA AVRAALGPEG HGIKIISKIE NHEGVKRFDE ILEVSDGIMV ARGDLGIEIP AEKVFLAQKM MIGRCNLAGK PVVCATQMLE SMITKPRPTR AETSDVANAV LDGADCIMLS GETAKGNFPV EAVKMQHAIA REAEAAVYHR QLFEELRRAA PLSRDPTEVT AIGAVEAAFK CCAAAIIVLT TTGRSAQLLS RYRPRAAVIA VTRSAQAARQ VHLCRGVFPL LYREPPEAIW ADDVDRRVQF GIESGKLRGF LRVGDLVIVV TGWRPGSGYT NIMRVLSIS

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 0.2 M NaCl, 1 mM DTT and 10% glycerol.

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Human recombinant protein PKLR - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein PKLR - Images

Human recombinant protein PKLR - Background

PKLR is a pyruvate kinase which catalyzes the trans phosphorylation of Phosphoenolpyruvate into pyruvate and ATP. That is the rate-limiting step of glycolysis. PKLR gene encodes the L- and R-type isoenzymes through alternate splicing events controlled by different promoters. The L-type isoform can also appear as a tetramer and is upregulated by glucose with implications in maturity-onset diabetes of the young.

Human recombinant protein PKLR - References

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Tani K.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:1792-1795(1988).
Kanno H.,et al.Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
Kanno H.,et al.Biochem. Biophys. Res. Commun. 188:516-523(1992).
Tani K.,et al.Biochem. Biophys. Res. Commun. 143:431-438(1987).