

Human PKLR Recombinant Protein



RPPB2620

Product Information Protein Information

Product SKU:

RPPB2620

Accession:

P30613

Host:

Escherichia Coli.

Protein description:

PKLR Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 549 amino acids (47-574a.a.) and having a molecular weight of 59.2kDa. The PKLR is fused to 21a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

PK1, PKL, RPK, pyruvate kinase isozyme R/L, Red cell/liver pyruvate kinase, PKRL

Formulation:

The PKLR protein solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH8.0), 1mM DTT 0.2M NaCl and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MLTQELGTAF FQQQLPAAM ADTFLEHLCL LDIDSEPVAA RSTSIATIG
PASRSVERLK EMIKAGMNIA RLNFSGSHE YHAESIANVR EAVESFAGSP LSYPVAIAL DTKGPEIRTG
ILQGGPESEV ELVKGSQVLV TVDPAFRTRG NANTVWVDYP NIVRVVPVGG RIYIDDGLIS LVVQKIGPEG
LVTQVENGGV LGSRKGVNLP GAQVDLPGLS EQDVRDLRFG VEHGVDIVFA SFVRKASDVA AVRAALGPEG
HGKIISKIE NHEGVKRFDE ILEVSDGIMV ARGDLGIEIP AEKVFLAQKM MIGRCNLAKG PVVCATQMLE
SMITKPRPTR AETSDVANAV LDGADCIMLS GETAKGNFPV EAVKMQHAIA REAEAAYYHR QLFEELRRAA
PLSRDPTEVT AIGAVEAAFK CAAAIIIVLT TTGRSAQLLS RYRPRAAVIA VTRSAQAARQ VHLCRGVFPL
LYREPPEAIW ADDVDRRVQF GIESGKLRGF LRVGDLVIVV TGWRPGSGYT NIMRVLSIS.

Biological Activity:

Specific activity: >0.1 unit/mg. One unit will form 1.0 umol of phospho(enol)pyruvate to pyruvate per minute at pH 7.5 at 37C.