

32-7721: Recombinant Human Pyruvate Kinase, Liver And RBC/PKLR (C-6His)

Gene : PKLR
Gene ID : 5313
Uniprot ID : P30613

Description

Source: Human Cells.
MW :62.9kD.

Recombinant Human PKLR is produced by our Mammalian expression system and the target gene encoding Met1-Ser574 is expressed with a 6His tag at the C-terminus. 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 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 1mM DTT 0.2M NaCl, 10% glycerol, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MSIQENISSLQLRSWVSKSQRDLAKSILIGAPGGPAGYLRRASVAQLTQELGTAFFQQQLPAAMADTFLEHLC
LLDIDSEPVAAARSTSIATIGPASRSVERLKEMIKAGMNIARLNFSHGSHEYHAESIANVREAVESFAGSPLSYRPV
AIALDTKGPEIRTGILQGGPESEVELVKGSQLVTVDPAFRTRGNANTVWVDYPNIVRVVPGGRIYIDDGLISLV
VQKIGPEGLVTQVENGGLVLSRKGVNLPGAQVDLPGLSEQDVRDLRFGVEHGVDIVFASFVRKASDVAAVRA
ALGPEGHGIKISKIENHEGVKRFDEILEVSDGIMVARGDLGIEIPAEEKVFLAQKMMIGRCNLAGKPVVCATQMLE
SMITKPRPTRAETSDVANAVLDGADCIMLSGETAKGNFPVEAVKMQHAIAREAAVYHRQLFEELRRAAPLSR
DPTEVTAIGAVEAAFKCCAAAIIVLTTTGRSAQLLSRYRPRAAVIAVTRSAQAARQVHLCRGVFPLLYREPPEAIW
ADDVDRRVQFGIESGKLRGFLRVGDLVIVVTGWRPGSGYTNIMRVLSISVDHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.