



Recombinant Protein Technical Manual

Recombinant Human PKLR Protein (His Tag)

RPES3569

Product Data:

Product SKU: RPES3569

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P30613

Protein Information:

Molecular Mass: 62.9 kDa

AP Molecular Mass: 58 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 1mM DTT 0.2M NaCl, 10% glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Pyruvate Kinase Isozymes R/L; Pyruvate Kinase 1; R-Type/L-Type Pyruvate Kinase; Red Cell/Liver Pyruvate Kinase; PKLR; PK1; PKL

Immunogen Information:

Sequence: Met 1-Ser574

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 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.