

PKM

Native Rabbit Pyruvate Kinase

Catalog No.	CSI14991A CSI14991B	Quantity:	2.5 X 10E4 U 50 KU
Alternate Names:	ATP:pyruvate 2-o-phosphotransferase, PKM2, PyK, PKLR		
Description:	Pyruvate kinase (PK) catalyzes the transfer of a phosphate group from phosphoenolpyruvate (PEP) to ADP, yielding one molecule of pyruvate and one molecule of ATP. It serves as a regulatory enzyme for gluconeogenesis, where glucose is produced in the liver due to the inhibition of pyruvate production through the phosphorylation of PK.		
Concentration:	Typically >0.4 mg Protein/mg		
Gene ID:	100008676		
Source:	Rabbit Muscle		
Molecular Weight:	237 kDa (Tetramer of four equal 57 kDa subunits)		
Formulation:	Lyophilized		
Specific Activity:	Typically >100 U/mg @ 37°C.		
Reconstitution:	Reconstitute in 0.1 M sodium phosphate, pH 7.6.		
Unit Definition:	One unit will convert 1.0 micromole of phosphoenolpyruvate to pyruvate per minute at pH 7.2 @ 37°C.		
Storage & Stability:	Store at -20°C. Stable for 2 years. Avoid repeated freeze-thaw cycles.		

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