

Polyphosphate kinase / ppk - Purified

Catalog No.:	PA1268XC
Quantity:	200 U
Background:	PPK catalyzes the reversible transfer of phosphate between polyphosphate and ATP. The phosphorylation of ADP to ATP by polyphosphate kinase is by a processive mechanism; the phosphorylation occurs without release of the polymer from the enzyme prior to termination of the reaction.
Uniprot ID:	D7GG25
NCBI:	YP_003688902.1
GeneID:	9283018
Source:	P. shermanii, Propionibacterium shermanii
Format:	State: Sterile filtered white lyophilized powder Buffer System: 11.54 U/ml of PPK activity, 10.3 mg/ml total protein, 100 mM potassium phosphate pH 6.8 and 25 mM sodium polyphosphate Reconstitution: Reconstituted in 1-10 ml deionized water
Description:	Polyphosphate Kinase purified circa 10 fold. Free of all Polyphosphate Glucokinase activity. Specific Activity: 1-3 U/mg 1.12 U/mg Molecular weight: 83 kDa 83 kD (monomer)
Add. Information:	The reaction requires Mg ²⁺
Storage:	Lyophilized product although stable at room temperature for 3 weeks, should be stored desiccated below -18 °C. Upon reconstitution it should be stored at 2 - 8 °C between 2 - 7 days and for future use below -18 °C. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA). Please avoid freeze-thaw cycles. Shelf life: One year from despatch.