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Polyphosphate kinase / ppk - Purified

Catalog No.: PA1268X

Quantity: 100 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 Mg2+

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.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com