

Polyphosphate Kinasee (RsPPK)

Product Information

Cat#	DIA-806
Descriptions	Polyphosphate kinase (RsPPK) derived from Rhodococcus species catalyzes the interconversion between polyphosphate and adenosine phosphates, exhibits stable enzymatic properties, and supports ATP regeneration in whole-cell biocatalysis and environmental bioremediation applications.
Applications	Polyphosphate kinase (RsPPK) is used for whole-cell biocatalysis detection kits and environmental bioremediation assay reagent development.
CAS No.	27-4-1
Enzyme Commission Number	EC 2.7.4.1
Enzyme Source	E.coli recombinant Rs PPK from Rhodobacter sphaeroides.
Reaction	[phosphate] (n) + ATP = [phosphate] (n+1) + ADP
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 µmol of ADP from ATP and [phosphate] (n)at 37°C.