

Polyphosphate Kinase (HbPPK2)

Product Information

Cat#	DIA-805
Descriptions	Polyphosphate kinase (HbPPK2) is a type II polyphosphate kinase with high catalytic efficiency for nucleoside diphosphate phosphorylation, utilizes inexpensive polyphosphate as phosphate source, and provides a cost-effective solution for nucleotide triphosphate regeneration in biocatalysis.
Applications	Polyphosphate kinase (HbPPK2) is suitable for nucleotide triphosphate regeneration detection kits and industrial biocatalytic assay reagent development.
CAS No.	27-4-13
Enzyme Commission Number	EC 2.7.4.1
Enzyme Source	E.coli recombinant Hb PPK from Hydrogenophilaceae bacterium.
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.