

## Polynucleotide kinase

Cat. No.:	HY-P2844
CAS No.:	37211-65-7
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Polynucleotide kinase

### BIOLOGICAL ACTIVITY

#### Description

Polynucleotide Kinase is a DNA repair enzyme. Polynucleotide Kinase possesses both a 5'-kinase activity that catalyzes the transfer of phosphate from ATP to a 5'-hydroxyl (OH) terminus and also a 3'-phosphatase activity that converts 3'-phosphate termini to 3'-OH termini<sup>[1]</sup>.

### REFERENCES

[1]. Bernstein NK, et al. Polynucleotide kinase as a potential target for enhancing cytotoxicity by ionizing radiation and topoisomerase I inhibitors. *Anticancer Agents Med Chem.* 2008 May;8(4):358-67.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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