

## T4 RNA ligase

<b>Cat. No.:</b>	HY-E70091
<b>Target:</b>	DNA/RNA Synthesis
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

## T4 RNA ligase

### BIOLOGICAL ACTIVITY

#### Description

T4 RNA ligase is an ATP-dependent RNA ligase that can catalyze the formation of phosphodiester bonds between the 5'-P end and the 3'-OH end of single-stranded RNA, single-stranded DNA or single nucleotides between molecules or within molecules. T4 RNA ligase is used for enzymatic low ribonucleotide synthesis and 3' end labeling of RNA. It is mainly used for RNA and RNA, but can also be used for RNA and single nucleotides<sup>[1][2]</sup>.

### REFERENCES

[1]. England TE, Uhlenbeck OC. Enzymatic oligoribonucleotide synthesis with T4 RNA ligase. *Biochemistry*. 1978 May 30;17(11):2069-76.

[2]. England TE, Uhlenbeck OC. 3'-terminal labelling of RNA with T4 RNA ligase. *Nature*. 1978 Oct 12;275(5680):560-1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA