GMP Grade Bioactive

T4 RNA Ligase

Catalog # DM0016 Size 1 ku

Specification

Product Description	T4 RNA Ligase is an ATP-dependent double-strand RNA ligase (dsRNA ligase). It can be used for intramolecular cyclic ligation and intermolecular linear ligation of double-stranded RNA, and can also be used for intramolecular or intermolecular RNA ligation of double-stranded nucleic acids (RNA duplex, RNA/DNA hybrid strand, or DNA duplex) for the 3' hydroxyl group of the RNA strand and the 5' phosphate group of the DNA strand.
Form	Liquid
Purity	95% ≤
Activity	8.0 U/uL to 12.0 U/uL
Recommend Usage	Ligation reaction of nicks in double-stranded RNA The ligation of the 3' hydroxyl group of RNA and the 5' phosphate group of DNA in the double-stranded structure Double-stranded RNA undergoes intramolecular cyclization and intermolecular linear ligation. The optimal working dilution should be determined by the end user.
Regulatory Status	GMP grade
Storage Buffer	10 mM Tris-HCl, 50 mM KCl, 0.1 mM EDTA, 1 mM DTT, 50% Glycerol, pH 7.5.
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- In vitro Transcription

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