

T4RNA Ligase

Product Information

Cat#	DIA-881
Descriptions	T4 RNA ligase catalyzes the formation of phosphodiester bonds between the 3'-hydroxyl and 5'-phosphate termini of RNA molecules, is widely used for RNA labeling, circularization and adapter ligation, and serves as a core tool enzyme for RNA structural biology and sequencing library preparation.
Applications	T4 RNA ligase is used for RNA ligation detection kits and sequencing library preparation reagent development.
Enzyme Commission Number	EC 6.5.1.3
Synonyms	This product is the ATP-dependent T4RNA Ligase I recombinantly expressed in E. coli. It can catalyze oligonucleotide single-stranded RNA and DNA intermolecular/intramolecular 5'-PO ₄ and 3'-OH to form phosphodiester bond.