

Datasheet for ABIN3188211

T4 RNA Ligase 1 (ssRNA Ligase)

Overview

Quantity: 100 µL

Application: Ligation (Lig)

Product Details

Characteristics: T4 RNA Ligase 1 (ssRNA Ligase) catalyzes the ligation of a single stranded 5' phosphoryl-termini donor to a 3' hydroxyl-termini nucleic acid acceptor through the formation of a 3'→5' *phosphodiester bond, through hydrolysis of ATP to AMP and PPI* . *Substrates for T4 RNA Ligase I include single-stranded RNA and DNA as well as dinucleoside pyrophosphates.*

Application Details

Comment:

- ligation of a ssRNA and DNA.
- labeling of the 3' ends of RNA with 5'[32P]pCp.
- synthesis of singlestranded oligonucleotides

Restrictions: For Research Use only

Handling

Concentration: 10 U/µL

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)