

T4 RNA Ligase 2, truncated K227Q

Cat.#	Size	Conc.
M045S M045L	4,000 units 20,000 units	200 units/μl 200 units/μl

Expire date:

Store at -20°C

For Research Use Only. Not for use in diagnostic procedures.

ISO9001 ISO14001 ISO13485

Product description

T4 RNA Ligase 2, truncated K227Q is a point mutant of T4 Rnl2, truncated containing the K227Q mutation. This enzyme ligates the pre-adenylated 5' end of DNA or RNA to the 3' OH end of RNA. The enzyme does not use ATP for ligation but requires pre-adenylated linkers. A lysine 227 is a key residue facilitating adenylyl transfer from adenylated ligation donor substrates to the ligase. Thus, this mutation is useful for reducing undesired ligation products.

Characteristics

- The mutant form of T4 RNA Ligase 2, truncated from *E. coli*

Applications

- Ligate pre-adenylated 5' end of DNA or RNA to the 3' end of RNA

Component

10X T4 RNA Ligase Reaction Buffer, T4 RNA Ligase 2, truncated K227Q, PEG8000, Sterile water

Standard reaction conditions

1X T4 RNA Ligase Reaction Buffer
Incubate at 25°C

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