

## T7 Endonuclease I

Cat.#	Size	Conc.
M048S M048L	250 units 1,250 units	10 units/ $\mu$ l 10 units/ $\mu$ l

Expire date:

Store at -20°C

Supplied with: 10X EzBuffer II  
Sterile water

### Description

T7 Endonuclease I (T7 Endo I), the resolvase from T7 phage of *Escherichia coli*, belongs to the endonuclease family. This product is an engineered form of T7 Endo I. It recognizes and cleaves mismatched DNA, cruciform DNA, heteroduplex DNA, four-way junctions, as well as nicked double-stranded DNA. The site of cleavage is at the first, second or third phosphodiester bond that is 5' to the mismatch.

### Characteristics

- The resolvase from T7 phage of bacterium *Escherichia coli*

### Applications

- Mutation detection assay
- Detection and cleavage of heteroduplex or nicked DNA
- Linear DNA cleavage for shotgun cloning

### Quality control

- Endonuclease-free
- Exonuclease-free

### Heat inactivation

No

### Reaction Conditions

- 1X EzBuffer II
- Incubation for 1 hour at 37°C

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

ISO9001 ISO14001 ISO13485

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