

## Nuclease

<b>Catalog Number</b>	LDG0006RG
<b>Package</b>	25 KU / 250 KU / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### Description

Nuclease is a genetically engineered endonuclease from *Serratia marcescens*, it is produced and purified from *E. coli*. The enzyme is a non-specific nuclease, which effectively degrades single-stranded, double-stranded, linear, and circular DNA and RNA over a wide temperature and pH range.

### Specifications

#### Expression System

Escherichia coli

#### Concentration

250 U/μL

#### Storage Buffer

Nuclease is supplied in 20 mM Tris-HCl pH 8.0, 150 mM NaCl, 2 mM MgCl<sub>2</sub> and 50% glycerol

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Unit Definition

One unit of Nuclease is defined as the amount of enzyme that causes a ΔA<sub>260</sub> of 1.0 in 30 min, which corresponds to complete digestion of 37 μg of DNA.

#### Form

Liquid

### Instruction

#### Tainan Headquarters

+886-6-2536677

bd@leadgene.com.tw

#### Innovation & Research Center

+886-2-27065528

#### CLD Center

+886-6-2536677

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### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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### Stability & Storage

This product is stable after storage at:

- -20°C for -80°C long-term storage under sterile conditions.

Avoid repeated free-thaw cycles.

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**Disclaimer :** For Research Use or Further Manufacturing Only.

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