

# NxGen T4 DNA Ligase RNase

产品名称	NxGen T4 DNA Ligase RNase
公司名称	北京中北林格科技发展有限公司
价格	.00/个
规格参数	品牌:lucigen总代理 型号:30243-2 供应商:北京中北林格
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## 产品详情

Lucigen 30243-2 30281-2 NxGen T4 DNA Ligase RNase Inhibitor

产品简介：北京中北林格供应Lucigen 30243-2 30281-2 NxGen T4 DNA Ligase RNase Inhibitor，中北林格是Lucigen总代理，提供Lucigen产品货号报价查询。代理的其他品牌包括Biosearch technologies总代理，epicentre总代理，illumina总代理，ICLLAB总代理，ImmunoReagents总代理。

产品名称：NxGen T4 DNA Ligase (High Concentration)

货号：Lucigen 30243-2

规格：7,500 U

存储温度：-20 C

品牌：Lucigen

供应商：中北林格

产地：us

发货地：北京

Lucigen 30243-2 30281-2 NxGen T4 DNA Ligase RNase Inhibitor 产品说明书

Reliably join double-stranded nucleic acid chains.可靠地连接双链核酸链。

T4 DNA Ligase catalyzes the formation of a phosphodiester bond between the terminal 5' phosphate and 3' hydroxyl groups of duplex DNA or RNA. The enzyme efficiently joins blunt and cohesive ends and repairs single stranded nicks in duplex DNA, RNA or DNA/RNA hybrids.

T4 DNA连接酶催化双链DNA或RNA的末端5'磷酸和3'羟基之间的磷酸二酯键的形成。该酶有效地连接钝性和粘性末端并修复双链DNA，RNA或DNA/RNA杂交体中的单链缺口。

T4 DNA Ligase Version Sizes Ligase Concentration Provided Buffer Low Concentration Ligase

1,500 U 7,500 U

2 U/μL 10X T4 DNA Ligase Buffer High Concentration Rapid Kit 1,500 U 7,500 U 10 U/μL 2X Rapid Ligation Buffer, 10X T4 DNA Ligase Buffer

T4 DNA连接酶版本尺寸连接酶浓度提供缓冲区低浓度连接酶

1,500 U 7,500 U.

2 U / μL 10X T4 DNA连接酶缓冲液高浓度快速试剂盒 1,500 U 7,500 U. 10 U / μL 2X快速连接缓冲液，10X T4 DNA连接酶缓冲液

10X T4 DNA Ligase Buffer is composed of 500 mM Tris-HCl, 100 mM MgCl<sub>2</sub>, 50 mM dithiothreitol, 10 mM ATP, pH 7.6 @ 25 ° C.

10X T4 DNA连接酶缓冲液由500mM Tris-HCl，100mM MgCl<sub>2</sub>，50mM二硫苏糖醇，10mM ATP，pH 7.6 (25 °C) 组成。

2X Rapid Ligation Buffer is composed of 132 mM Tris-HCl, 20 mM MgCl<sub>2</sub>, 2 mM dithiothreitol, 2 mM ATP, 15% PEG, pH 7.6 @ 25 ° C.

2X快速连接缓冲液由132mM Tris-HCl，20mM MgCl<sub>2</sub>，2mM二硫苏糖醇，2mM ATP，15%PEG，pH 7.6 (25 °C) 组成。

Figure 1: Purity The purity of the T4 DNA ligase is equal or greater than 95% as judged by SDS-polyacrylamide gel electrophoresis with Coomassie blue staining. Molecular weight markers are in Lane 1. T4 DNA ligase was loaded at 5 units (Lane 2) and 10 units (Lane 3). 图1：纯度通过用考马斯蓝染色的SDS-聚丙烯酰胺凝胶电泳判断，T4 DNA连接酶的纯度等于或大于95%。分子量标记在泳道1中。T4 DNA连接酶以5个单位（泳道2）和10个单位（泳道3）加载。

Figure 2: Exonuclease and Endonuclease Activity Assay The T4 DNA ligase is free of detectable of exo- and endonuclease activities, as judged by agarose gel electrophoresis following incubation of 10 units of enzyme for 16 hours at 37 ° C with 1 μg of HindIII-digested DNA (Lanes 3 and 4) and supercoiled pUC19 DNA (Lanes 5 and 6).

6). Molecular weight markers are in Lanes 1 and 2.

图2：核酸外切酶和核酸内切酶活性测定T4 DNA连接酶不含外源和内切核酸酶活性，可通过琼脂糖凝胶电泳判断，将10单位酶在37 °C下与1 μg Hind III 消化后孵育16小时 DNA（泳道3和4）和超螺旋pUC19 DNA（泳道5和6）。分子量标记在泳道1和2中。

Unit Definition: One Weiss Unit is defined as the amount of enzyme required to convert 1 nmol of <sup>32</sup>P-labeled inorganic pyrophosphate into Norit adsorbable material in 20 minutes at 37 °C, using specified reaction conditions.

Note: 1 Weiss Unit is approximately 67 cohesive end units.

Source: A recombinant E. coli strain carrying the cloned T4 DNA Ligase gene.

单位定义：一个Weiss单位定义为使用特定的反应条件，在37 °C下在20分钟内将1nmol <sup>32</sup>P标记的无机焦磷酸盐转化为Norit可吸附材料所需的酶量。注意：1 Weiss Unit约有67个粘性末端单元。

来源：携带克隆的T4 DNA连接酶基因的重组大肠杆菌菌株。

Contact your local distributor for pricing  
Product Description Size Cat. No. NxGen T4 DNA Ligase (Low Concentration) 1,500 U 30241-17,500 U 30241-2  
NxGen T4 DNA Ligase (High Concentration) 1,500 U 30243-17,500 U 30243-2  
产品描述 尺寸货号 NxGen T4 DNA连接酶（低浓度） 1,500 U.30241-17,500 U.30241-2  
NxGen T4 DNA连接酶（高浓度） 1,500 U.30243-17,500 U.30243-2  
ORDER INFORMATION

Storage buffer: T4 DNA Ligase is supplied in 10 mM Tris-HCl, 50 mM KCl, 1 mM dithiothreitol, 0.1 mM EDTA, 0.1% Triton X-100, 50% glycerol, pH 7.5 @ 25 °C.

订单信息

储存缓冲液：T4 DNA连接酶以10mM Tris-HCl，50mM KCl，1mM二硫苏糖醇，0.1mM EDTA，0.1% Triton X-100, 50% 甘油，pH 7.5在25 °C下提供。

对此产品有兴趣，可联系中北林格获取更多详细信息。