SalI

L397686

Component	200T
SalI	200μL
10×Cut Reaction Buffer	1.6mL

Storage/Transportation Condition Store at -20°C for up to 24 months. Avoid repeated freeze/thaw cycles. Transport on dry ice.
Form Liquid
Source E.coli
Storage Buffer 10mM Tris-HCl, 50mM KCl, 1mM DTT, 0.1mM EDTA, 50% Glycerol, 200μg/ml recombinant Albumin, pH7.5
10X TelN Reaction Buffer 200mM Tris-acetate, 500mM Potassium Acetate, 100mM Magnesium Acetate, 1mg/mL Recombinant Albumin, pH7.9
Concentration 20U/μL
Unit Definition One unit is defined as the amount of enzyme required to digest 1μg of λDNA in 1hour at 37°C in a total reaction volume of 50μL.

Restriction Site
5'···G ↓ TCGAC···3'
3'···CAGCT ↑ G···5'

Product Description
SalI restriction enzyme recognizes G ↓ TCGAC sites and completes cleavage within 15 to 30 min at 37℃. Recombinant Albumin was added to the 10× Cut Reaction Buffer for stability and consistency.

Quality Statement
This product is GMP-Ready, indicating that it is currently manufactured at industrial-grade and can be moved to GMP-Grade manufacturing standards as necessary.

Applications
Molecular Cloning
Restriction site mapping
Genotyping
SNP

Recommended Protocol for Digestion
1.Make the reaction mixture according to the table below:

Reagent	Quantity
DNA	1μg
10X Cut Reaction Buffer	5μL
SalI (20U/μL)	1μL
Nuclease-free H_2O	To 50μL

*Add SalI last. It is recommended that the volume of SalI should not exceed 10% of the reaction volume as high glycerol concentration (>5% v/v) may cause star activity.

2.Mix gently and incubate at 37°C for 15-30 minutes.

3.Heat inactivation at 65°C for 20 minutes to stop the reaction.

Notes

1.SalI is not sensitive to dam or dcm, but cleavage is blocked by CpG methylation.

2.It is recommended to purify DNA sample before cleavage if there is contamination of phenol, chloroform, alcohol, EDTA or detergents which may interfere with restriction enzyme activity.