For research use only

ISO9001

CEL I Endonuclease

Product	Quantity	Cat. No.	Remarks
CEL I Endonuclease	**5**00 unit	EBT-3028	10 unit/㎕

Description

CEL I Endonuclease, isolated from celery, is the eukaryotic nuclease known that cleaves DNA with high specificity at sites of base-substitution mismatch and DNA distortion.

Applications

- Resolve four-way junction or branched DNA.
- Detect or cleave heteroduplex and nicked DNA.
- Randomly cleave linear DNA for shot-gun cloning.

Reagents Supplied & Storage Condition

- CEL I Endonuclease : 10 unit/μl, Store at -20°C.
- 10x CEL I Endonuclease Reaction Buffer : Store at 4°C.

Reaction Condition

CEL I Endonuclease I in 1X CEL I Endonuclease Reaction Buffer. Incubate at 37°C.

10x Reaction Buffer

100 mM Tris-HCl (pH 7.9), 500 mM NaCl, 100 mM $MgCl_2$, 10 mM DTT

Storage Buffer

20 mM Tris-HCl (pH 7.5), 200 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 50% Glycerol, 0.1% Triton® X-100

Unit Definition

One unit is defined as the amount of enzyme required to convert > 90% of 1 μg of supercoiled cruciform pUC(AT) to > 90% linear form in a total reaction volume of 50 μl in 1 hour at 37°C.

QC Tests

Activity, exo and endonuclease activity test, SDS-PAGE purity, performance tests.

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