

Restriction
Endonuclease



Abs I

Recognition
Sequence:

CC↓TCGAGG
GGAGCT↑CC

L

E536

250 units
1,000 u/ml

Lot:

Exp:

Store at -20°C

SE-Buffers	B	G	O	W	Y	ROSE
%Activity	75-100	10-25	0	50-75	0-10	50

37°C

65°C

AbsI

pUC19SE/
DriI

For more details
scan the code



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CERTIFICATE OF ANALYSIS

Source: *Arthrobacter species 7M06*.

Supplied in:

10 mM Tris-HCl (pH 7.5), 50 mM KCl, 0.1 mM EDTA,
7 mM 2-mercaptoethanol, 200 µg/ml BSA, 50%
glycerol.

Reaction Conditions:

1× SE-Buffer AbsI. Incubate at 37° C.

1X SE-Buffer AbsI (pH 9.0 @ 25° C):

10 mM Tris-HCl 50 mM KCl
10 mM MgCl₂ 1 mM DTT

Heat Inactivation:

Enzyme is inactivated by incubation at 65 °C for 20
minutes.

Unit Definition: One unit is defined as the amount of
enzyme required to digest 1 µg of pUC19SE/DriI DNA
in 1 hour at 37° C in a total reaction volume of 50 µl.

Quality Control Assays

Ligation : After 2-fold overdigestion with Abs I, ~90%
of the DNA fragments can be ligated with T4 DNA Ligase
and recut.

16-Hour Incubation: A 50 µl reaction containing 1 µg
of DNA and 2 Units of enzyme incubated for 16 hours
resulted in the same pattern of DNA bands as a reaction
incubated for 1 hour.

A long incubation time may result in star activity.

Oligonucleotide Assay: No detectable degradation of
a single-stranded and double-stranded oligonucleotide
was observed after incubation with 1 units of restriction
endonuclease for 3 hours.

Enzyme Properties:

When using a buffer other than the optimal (Supplied)
SE-Buffer, it may be necessary to add more enzymes
to achieve complete digestion.

Reagents Supplied with Enzyme:

10X SE Buffer AbsI.