Restriction Endonuclease Abs I E535 E535 E535 E535 E535 E535 E535 E535 E535 E535 E55	Supplied in: 10 mM Tris-HCI (pH 7.5); 50 mM KCI; 0,1 mM EDTA; 200 μg/ml BSA; 7 mM 2-mercaptoethanol; 0.05% Triton X-100; 50% glycerol. Reaction Conditions: 1×SEBuffer Abs I. Incubate at 37°C. Warranty period for the enzyme storage at-20°C is two years from the date of the last assay indicated on the enzyme vial. 1×SEBuffer Abs I (pH 9.0 @ 25°C) 10 mM Tris-HCI 50 mM KCI	Quality Control AssaysLigation: After 2-fold overdigestion with Abs I, ~90% of DNA fragments can be ligated with T4 DNA Ligase and recut.16-Hour Incubation: A 50 μl reaction containing 1μg of pUC19SE/Dril 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.	Enzyme Properties Activity in SEBuffers: SEBuffer B 75-100% SEBuffer G 10-25% SEBuffer O 0% SEBuffer W 50-75% SEBuffer Y 0-10% SEBuffer ROSE 50% When using a buffer other than the optimal (suppied) SEBuffer, it may be necessary to add more enzyme to achieve
50 u Lot: 19 1000 u/ml Store at -20°C	10 mM MgCl ₂ 1 mM DTT Unit Definition: One unit is defined as the	Oligonucleotide Assay: No detectable degradation of a single- and double-stranded oligonucleotide was	complete digestion. Heat Inactivation:
Recognition Sequence: 5' CC↓TCGAGG3' 3' GGAGCT↑CC5' Sourse: <i>Arthrobacter species</i> 7M06	amount of enzyme required to digest 1 μg of pUC19SE/Dril in 1 hour at 37°C in a total reaction volume of 50 μl.	observed after incubation with 1 units of enzyme for 3 hours.	Yes (65°C for 20 minutes) Reagents Supplied with Enzyme: 10×SEBuffer Abs I CERTIFICATE OF ANALYSIS