

Datasheet for ABIN5519480

**FlyCut™ Smal**

Overview

Quantity:	1000 units
Application:	Restriction Digest (RD)

Product Details

Purpose:	Super fast restriction enzyme
Brand:	FlyCut™
Specificity:	5'...CCC^GGG...3' 3'...GGG^CCC...5'
Characteristics:	FlyCut® Smal is expressed and purified from E.coli that carries the recombinant Smal gene. The molecular weight is 29.7 kDa, with the recognition site at CCC^GGG The reaction is conducted for 5-10 minutes at 25oC, and heat-inactivated at 65oC for 20 minutes. This enzyme is not sensitive to dam, dcm, but sensitive to mammalian CpG methylation.
Components:	Enzyme, 10X Buffer, 10X DNA Loading Buffer
Unit Definition:	One unit is defined as the amount of enzyme required to digest 1 µg of λ DNA in 1 hour at 37°C in a total reaction volume of 50 µl.

Application Details

Application Notes:	Genomic DNA, plasmid DNA, PCR product
Comment:	Fast: 5 minutes DNA digestion. Simple: universal buffer for all restriction enzymes.
Restrictions:	For Research Use only

Handling

Buffer:	Storage Buffer: 20 mM Tris-HCl pH 7.4, 250 mM NaCl, 0.1 mM EDTA, 1.5 mM DTT, 400 µg/mL
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## Handling

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BSA, 50 % Glycerol

10xFlyCut® Buffer: 500 mM Tris-Ac pH 7.9, 1 M KAc, 120 mM MgAc2, 1 mg/mL BSA

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Storage: -20 °C

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Storage Comment: at -20°C for two years

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Expiry Date: 24 months

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## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)