

Datasheet for ABIN5519458

FlyCut™ KpnI

Overview

Quantity: 2000 units

Application: Restriction Digest (RD)

Product Details

Purpose: Super fast restriction enzyme

Brand: FlyCut™

Specificity: 5'...GGTAC[^]C...3'
3'...C[^]CATGG...5'

Characteristics: FlyCut® KpnI is expressed and purified from E.coli that carries the recombinant KpnI gene. The molecular weight is 25.9 kDa, with the recognition site at GGTAC[^]C. The reaction is conducted for 5-10 minutes at 37oC, and heat-inactivated at 80oC for 20 minutes. This enzyme is not sensitive to dam, dcm or 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

Handling

BSA, 50 % Glycerol

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

Storage: -20 °C

Storage Comment: at -20°C for two years

Expiry Date: 24 months

Publications

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