



Data Sheet (28.11.2007)

Sfi I

5' ...GGCCNNNNNGGCC...3'
3' ...CCGGNNNNNCCGG...5'

Source: *Streptomyces fimbriatus*

Cat.-No.	Size	Conc.
mi-E0132S	400 units	10 u/μl
mi-E0132L	2,000 units	10 u/μl

Buffer supplied: 10x B2 (incl. BSA)

BSA is now already included into the buffer without any loss of performance!

Substrate for unit definition:

Adenovirus-2 DNA (3 sites)

Reaction conditions:

50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl₂, 1 mM dithiothreitol, 100 μg/ml BSA.

Incubate at **50 °C**.

Storage buffer:

300 mM NaCl, 5 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM dithiothreitol, 200 μg/ml BSA, and 50 % glycerol.

Store at -20 °C. Avoid warming to 0 °C or higher.

Under these storage conditions, a guarantee of 12 months after delivery is given.

Ligation and recutting:

After 10-fold overdigestion with *Sfi* I, > 90 % of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: No

Note: Impaired by overlapping *dcm* methylation