

**Sse9 I**

Cat. No.	용량	농도
DYR1980	500 units	5 units/μl
DYR1982	1,000 units	5 units/μl
DYR1984	2,500 units	5 units/μl
DYR1986	2,500 units	25 units/μl

**◆ 제품구성**

- Sse9 I
- 10X DY Buffer I
- 10X FastCut Buffer
- Sterile water
- Dyne 6X DNA Loading Buffer ver.2

**◆ Source**

- *Sporosarcina* species

**◆ Quality control**

- Unit definition assay
- Overdigestion assay
- Endonuclease assay
- Extreme purity assay

**◆ 인식부위**



Single letter code	
W = A or T	S = C or V = A or C or G
N = A or C or G or TG	M = A or C
K = G or T	R = A or G
Y = C or T	B = C or G or T
D = A or G or T	H = A or C or T

**◆ 보관온도**

- -20°C

**◆ Heat inactivation**

- 65°C for 20 min.

**◆ Unit정의**

- 1 unit은 pBR322 1 μg을 50 μl 반응물로 55°C에서 1시간 동안 완전히 분해하는데 필요한 효소의 양이다.

**◆ Buffer별 상대적 활성도**

I	II	III	IV	FastCut
100%	50%	50%	75%	100%

**◆ Methylation effect**

Methylation	dam	dcm	CpG
Cleavage	Cleavage	Cleavage	Cleavage

**◆ 표준반응 조건**

- Normal Protocol

Component	농도	Volume
Substrate DNA	1 μg	X μl
10X DY Buffer I	1 X	5 μl
Sse9 I		Substrate dependent
Sterile water		Up to 50 μl

- \* Incubate at 55°C for 1 hr

- Fast Protocol

Component	농도	Volume
Substrate DNA	1 μg	X μl
10X FastCut Buffer	1 X	5 μl
Sse9 I	5 unit	1 μl
Sterile water		Up to 50 μl

- \* Incubate at 55°C for 15 min