

## Sau96 I

| Cat. No. | 용량          | 농도          |
|----------|-------------|-------------|
| DYR1880  | 1,000 units | 5 units/μl  |
| DYR1882  | 2,000 units | 5 units/μl  |
| DYR1884  | 5,000 units | 5 units/μl  |
| DYR1886  | 5,000 units | 25 units/μl |

### ◆ 제품구성

Sau96 I  
10X DY Buffer IV  
10X FastCut Buffer  
Sterile water  
Dyne 6X DNA Loading Buffer ver.2

### ◆ Source

· *Staphylococcus aureus* PS96

### ◆ 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

· 80°C, 20분.

### ◆ Unit정의

· 1 unit은 박테리오파지 λ DNA 1 μg을 50 μl 반응물로 37°C에서 1시간 동안 완전히 분해하는데 필요한 효소의 양이다.

### ◆ Buffer별 상대적 활성도

| I   | II   | III  | IV   | FastCut |
|-----|------|------|------|---------|
| 50% | 100% | 100% | 100% | 100%    |

### ◆ Methylation effect

| Methylation | dam      | dcm         | CpG         |
|-------------|----------|-------------|-------------|
| Cleavage    | Cleavage | Conditional | Conditional |

### ◆ 주의사항

· dcm 메틸화(methylation)와 CpG 메틸화(methylation)에 의해 활성이 저해된다.

### ◆ 표준반응 조건

· Normal Protocol

| Component        | 농도   | Volume              |
|------------------|------|---------------------|
| Substrate DNA    | 1 μg | X μl                |
| 10X DY Buffer IV | 1 X  | 5 μl                |
| Sau96 I          |      | Substrate dependent |
| Sterile water    |      | Up to 50 μl         |

\* Incubate at 37°C for 1 hr

· Fast Protocol

| Component          | 농도     | Volume      |
|--------------------|--------|-------------|
| Substrate DNA      | 1 μg   | X μl        |
| 10X FastCut Buffer | 1 X    | 5 μl        |
| Sau96 I            | 5 unit | 1 μl        |
| Sterile water      |        | Up to 50 μl |

\* Incubate at 37°C for 15 min