



Data Sheet (28.11.2007)

***Pvu* II**

5' ...**CAGCTG**...3'
3' ...**GTCGAC**...5'

Source: An *E. coli* strain that carries the cloned *Pvu* II gene from *Proteus vulgaris*

Cat.-No.	Size	Conc.
mi-E0128S	4,500 units	10 u/μl
mi-E0128L	22,500 units	10 u/μl

Buffer supplied: 10x (incl. BSA)

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

Substrate for unit definition: λ DNA (15 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 **37 °C**.

Storage buffer:

50 mM KCl, 10 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 *Pvu* II, > 95 % of the DNA fragments can be ligated and recut with this enzyme.

Star activity:

Conditions of low ionic strength, high enzyme concentration, glycerol concentration > 5 %, or pH > 8.0 may result in star activity.

Heat inactivation: No