

## *Pvu* II



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

	EN-128S	4,500 units	10 u/μl
	EN-128L	22,500 units	10 u/μl

**NB:**  
**BSA is already included in the Buffer solution!**

**Buffer supplied: 10x B2 (incl. 10x BSA).**

**Substrate for unit definition:** λ DNA (15 sites).

**Reaction conditions:**

50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl<sub>2</sub>, 1 mM dithiothreitol, 100 μg/ml BSA.  
 Digestion is performed in 5 minutes 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.

**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.

**Methylation sensitivity:**

*dam* methylation: Not sensitive  
*dcm* methylation: Not sensitive  
 CpG methylation: Not sensitive

**Heat inactivation:** No.