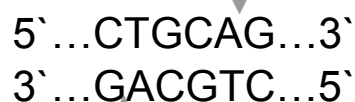


Pst I



Source: An *E. coli* strain that carries the cloned *Pst* I gene from *Providencia stuartii*.

Cat.-No.	Size	Conc.
EN-127	250,000 units	10 u/μl

Buffer supplied: 10x *Pst* I and 10x BSA.

Substrate for unit definition: λ DNA (28 sites).

Reaction conditions:

100 mM NaCl, 50 mM Tris-HCl (pH 7.4), 10 mM MgCl₂, 1 mM dithiothreitol, 100 μg/ml BSA.
Incubate at **37°C**.

Storage buffer:

200 mM NaCl, 10 mM Tris-HCl (pH 7.4), 0.1 mM EDTA, 1 mM dithiothreitol, 200 μg/ml BSA, 0.15% Triton X-100, and 50% glycerol.
Store at -20°C.

Ligation and recutting:

After 10-fold overdigestion with *Pst* I, >95% of the DNA fragments can be ligated and recut with this enzyme.

Star activity:

Conditions of high enzyme concentration or glycerol concentration >12% may result in star activity.

Heat inactivation: 80°C for 20 minutes.