



Data Sheet (18.06.2010)

Asu II 5' ...**TT**CGAA...3'
3' ...AAG**CTT**...5'

Source: *Actinobacillus suis*

Cat.-No.	Size	Conc.
mi-E0102S	3,500 units	10 u/μl
mi-E0102L	17,500 units	10 u/μl

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

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

Substrate for unit definition:

λ DNA, *Hind* III digest (7 sites)

Reaction conditions:

50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl₂, 1 mM dithiothreitol, 0.1% Triton X-100, 100 μg/ml BSA. Incubate at **37°C**.

Storage buffer:

100 mM KCl, 10 mM Tris-HCl (pH 7.9), 0.1 mM EDTA, 1 mM dithiothreitol, 0.15% Triton X-100, 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 *Asu* II, >95% of the DNA fragments can be ligated and recut with this enzyme.

Heat inactivation: 65°C for 20 minutes