



Data Sheet (28.11.2007)

**Sau3A I** 5' ...**NGATCN**...3'  
3' ...**NCTAGN**...5'

Source: *Streptomyces* species

Cat.-No.	Size	Conc.
mi-E0150S	500 units	10 u/μl
mi-E0150L	2,500 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

**Reaction conditions:** 50 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM MgCl<sub>2</sub>, 1 mM DTT, 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 ten-fold overdigestion with *Sau3A I*, > 95 % of the DNA fragments can be ligated and recut with this enzyme.

**Heat inactivation:** 65 °C for 20 minutes