



Data Sheet (18.06.2007)

**SnaB I**      5' ...**TACGTA**...3'  
                  3' ...**ATGCAT**...5'

Source: *Sphaerotilus natans*

Cat.-No.	Size	Conc.
mi-E0136S	350 units	10 u/μl
mi-E0136L	1,750 units	10 u/μl

**Buffer supplied: 10x SnaB I (incl. BSA)**

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

**Substrate for unit definition:**

λ DNA, *EcoR* I digest (1 site)

**Reaction conditions:**

10 mM Bis Tris Propane-HCl (pH 7.0), 10 mM MgCl<sub>2</sub>, 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 *SnaB* I, > 98 % of the DNA fragments can be ligated and recut with this enzyme.

**Star activity:**

Star activity is observed at a greater than 160-fold overdigestion with *SnaB* I.

**Heat inactivation:** 80 °C for 20 minutes