Data Sheet (28.11.2007)

Sal I

5′ ...GTCGAC...3′
3′ ...CAGCTG...5′

Source: *Streptomyces albus* G.

Cat.-No.	Size	Conc.
mi-E0130S	2,000 units	10 u/µl
mi-E0130L	10,000 units	10 u/µl

Buffer supplied: 10x B4 (incl. BSA)
BSA is now already included into the buffer without any loss of performance!

Substrate for unit definition:
λ DNA, *Hin*d III digest (2 sites)

Reaction conditions:
150 mM NaCl, 10 mM Tris-HCl (pH 7.9), 10 mM $MgCl_2$, 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, 300 µg/ml BSA, and 50 % glycerol.
Store at –20 °C. Avoid warming to 0 °C or higher.

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

Star activity:
Large excess of the enzyme results in the appearance of star activity.

Heat inactivation: 65 °C for 20 minutes

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