

RNase B



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P7817S 003120514051

P7817S

250 µg **Lot: 0031205** **Exp: 5/14**

5 mg/ml **Store at -20°C**

Description: RNase B is a high mannose glycoprotein (1–3) that can be used as a positive control for endoglycosidases that cleave N-linked carbohydrates. RNase B has a single N-linked glycosylation site which makes it ideal for SDS-PAGE gel shift assays.

Source: Bovine pancreas

Supplied in: Milli-Q™ water.

Molecular Weight: 17,000 daltons
(13,683 daltons deglycosylated).

RNase B Deglycosylation Protocol:

1. In a 10 µl reaction, add 2 µl of RNase B, 1 µl of 10X Glycoprotein Denaturing Buffer, and 5 µl of dH₂O.
2. Boil for 10 minutes.
3. Add 1 µl of 10X G7 Reaction Buffer and 1 µl of 10% NP-40.
4. Add 1 µl of endoglycosidase. Incubate at 37°C for 1 hour.
5. Visualize reaction products on 10–20% SDS-PAGE gel.

Note: 250 µg is enough for approximately 20 reactions.

References:

1. Plummer, T.H. and Hirs, C. (1964) *J Biol. Chem.* 239, 2530.
2. Plummer, T.H., Jr., Tarentino, A. and Maley, F. (1968) *J Biochem. (Tokyo)* 243, 5185.
3. Liang, C.-J., Yamashita, K. and Kobata, A. (1980) *J BioChem.* 88, 51.

Companion Products:

Endo H (NEB #P0702S)
Endo H_i (NEB #P0703S)
PNGase F (NEB #P0704S)
PNGase F Glycerol Free (NEB #P0705S)

Milli-Q™ is a trademark of Millipore Corporation.

CERTIFICATE OF ANALYSIS

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