

RNase B



1-800-632-7799
info@neb.com
www.neb.com



P7817S 003130515051

P7817S

250 µg Lot: 0031305 Exp: 5/15
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. Incubate at 100°C 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.
5. Incubate at 37°C for 1 hour.
6. 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 Sold Separately:

Endo H
#P0702S 10,000 units
#P0702L 50,000 units

Endo H_f
#P0703S 100,000 units
#P0703L 500,000 units

PNGase F
#P0704S 15,000 units
#P0704L 75,000 units

PNGase F (Glycerol Free)
#P0705S 15,000 units
#P0705L 75,000 units



New England Biolabs® is a registered trademark of New England Biolabs, Inc.

Milli-Q™ is a trademark of Millipore Corporation.

CERTIFICATE OF ANALYSIS



1-800-632-7799
info@neb.com
www.neb.com

CERTIFICATE OF ANALYSIS