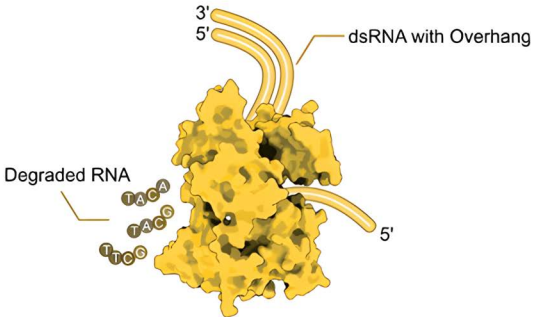




RENAP  
B I O T E C H



# Rnase R



RNase R is a 3'-to-5' exoribonuclease digesting single-stranded and double-stranded linear RNAs simultaneously with a 3' overhang over 7 nucleotides. However, this enzyme is not effective on circular, lariat, or double-stranded RNA with short overhangs.

Mix the components as provided in the table below and incubate the reaction mixture for 2-3 hour at 37°C.

<b>Total RNA</b>	<b>1-10 µg</b>
RNaseR	2 µl
RNaseR Buffer [10x]	2 µl
RI	0.5 µl
WFI	Fill up to final volume
Total Volume	20 µl
Incubation Temperature	37°C
Duration	2-3 hours

- \*Raising the temperature to a maximum of 45°C may be a useful method for breaking down complex structures. However, it's crucial to ensure that the temperature doesn't exceed 45°C and the incubation time doesn't go beyond 3 hours to avoid non-enzymatic RNA degradation.