



# Murine RNase Inhibitor (DAG-NWO01)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	The required amount of RNase Inhibitor to inhibit 50% activity of 5-ng RNase A is defined as one unit. The activity of RNase A is measured by hydrolyzing of cyclic 2', 3'-CMP to generate 3'-CMP.
<b>Species</b>	Murine
<b>Conjugate</b>	N/A
<b>Applications</b>	RT-PCR
<b>Stability</b>	24 months
<b>Format</b>	Liquid
<b>Concentration</b>	40 U/μL
<b>Size</b>	2KU
<b>Storage</b>	Store at -20°C

## BACKGROUND

<b>Introduction</b>	Murine RNase Inhibitor is purified from a recombinant strain of E. coli in a soluble form. It specifically inhibits the activity of RNases A, B and C through binding noncovalently in a 1:1 ratio with high affinity. Recombinant murine RNase inhibitor does NOT contain 2 oxidation-sensitive cysteine which are contained in human-origin RNase inhibitor. Therefore, murine RNase inhibitor has high anti-oxidation activity and is more stable for low DTT experiments (< 1mmol/L).
<b>Keywords</b>	RNase inhibitor; cDNA Synthesis