

Data sheet

This data sheet provided for information only

RNase Inhibitor**RESEARCH USE ONLY****Native RNase inhibitor****SOURCE:****Human Placenta**

Cat.No.	Pack	Conc.
Dia-9010	500 Units	5 U/μl
Dia-9011	1000 Units	5 U/μl

DESCRIPTION:

Ribonuclease Inhibitor (Rnase I) is a **native** protein isolated from human placenta. Molecular weight of the product is 50-52Kda. It has an excellent activity to inhibit different types of RNase (A,B,C) by binding non-covalently in 1:1 ratio with association constant 10^{14}

Stability:

Shelf life 24 months if store at -20°C

UNIT DEFINITION

One unit is defined as the amount of protein required to inhibit the activity of 5 ng of Ribonuclease A by 50%.

STORAGE AND DILUTION BUFFER:

20mM Hepes-KOH (pH 7.6);50mM KCL;0.1mM EDTA; 8mM DTT; 50% glycerol

ASSOCIATED ACTIVITIES:

Endonuclease/nikase activities, dsDNA, RNase, SDS-PAGE purity were tested.

APPLICATIONS:

- RT
- RT/PCR
- First strand DNA synthesis

STORAGE CONDITIONS :

Store at -20°C

SHIPPING CONDITIONS:

For long distance shipments preferably in **Blue Ice**