Medix Biochemica

Product Information Leaflet
Cat. No: MX1105

MedixMDx RNase Inhibitor

Description

MedixMDx RNase Inhibitor is a protein that blocks the activities of a variety of ribonucleases. This ensures that RNA molecules are protected from degradation by RNases. This RNase inhibitor is specially indicated for applications with high sensitivity ratios, such as RT-qPCR, cDNA synthesis, and NGS techniques.

This recombinant modified human placental protein is purified from a *Pichia pastoris* strain and has a weight of 50 kDa. The kinetics of RNase inhibition are very fast due to non-covalent binding of the inhibitor to the active sites of enzymes. Medix RNase Inhibitor is resistant to oxidative stress due to its lack of cysteine residues, which can affect protein sensitivity when oxidized.

The thermostability of this inhibitor means it remains active at 65°C for at least 30 minutes. It can be inactivated by incubation at 75°C for 15 minutes. This RNase inhibitor blocks a wide range of RNases, but does not inhibit RNases T1, T2, U1, U2, CL3, RNase I and H.

Kit components

Component	*MX1105 2500 Units
∞MedixMDx RNase Inhibitor (40 U/µL)	62.5 µL

*Other pack sizes or bulk orders are available upon request.

∞The recommended amount for a 20 µL reaction is 40 U (1 µL). Titration is suggested if the template is from an RNase-rich source.

Storage and shipment

Transport with an ice pack or on dry ice (for shipments taking more than 2 days). The reagent should be stored between -30°C and -15°C upon arrival. The reagent is stable for 12 months if stored correctly.

Technical information and support

For technical enquiries or assay development support, please contact us via e-mail at: mdx@medixbiochemica.com. Additional information and technical resources are available on our website at: www.medixbiochemica.com/en/MedixMDx.

Oy Medix Biochemica Ab
Klovinpellontie 3
FI-02180 Espoo
Finland

Oy Medix Biochemica Ab
medix@medixbiochemica.com
www.medixbiochemica.com
VAT reg. no. FI14631532