RNase Inhibitor

Human Placental Source

(E633)

Eliminating endogenous RNases from biological materials is difficult -- sometimes impossible. RNase can be introduced into reactions from buffers, nucleic acids, proteins, or plastic and glassware used for experiments. Placental RNase Inhibitor is often used to inhibit the activity of RNases in reaction mixtures for cDNA synthesis and *in vitro* translation, as well as for long-term storage of valuable RNA samples.

AMRESCO RNase Inhibitor is a highly purified, nuclease-free preparation. It is supplied at a concentration of 40,000 units/ml, in a buffer containing 20mM HEPES-KOH (pH 7.6), 50mM KCl, 5mM DTT and 50% glycerol. Each lot is rigorously tested and is guaranteed free of non-specific endonuclease, exonuclease, and RNase activity.

Placental RNase inhibitor is effective against RNase A and other eukaryotic RNase A-like proteins. It does not inhibit RNA polymerases, DNA polymerases, RNase H, or RNase T1, and is therefore ideal for use in rtPCR reactions, in vitro transcription, or cDNA library construction. One unit of this protein will inhibit 50% of the activity of 5 ng RNase A.

Note: DTT is required for activation of this protein. It should be present in the reaction mixture at a final concentration of 5mM for best results.

ORDERING INFORMATION:

CODE	SIZE
E633	2 KU
	10 KU

Related Products:

DTT (Code 0281)
Rapid RNA™ Purification Kit (Code E458)
Rapid mRNA™ Purification Kit (Code E662)
RNase-Free Water (Code E476)

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