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## RNaseOFF Ribonuclease Inhibitor

Store at -20 °C

Cat. No.	Description	Quantity
G138	RNaseOFF Ribonuclease Inhibitor	100 µl (40 U/µl)

### Product Description

RNaseOFF Ribonuclease Inhibitor specifically inhibits common ribonucleases (RNases), including RNase A, B and C, with high affinity and is a useful additive in PCR or RT-PCR as it does not inhibit polymerase activity. This robust version of RNase inhibitor has improved resistance to oxidation over the highly oxidation-sensitive human RNase inhibitor. RNaseOFF Ribonuclease Inhibitor is stable even under very low concentrations of DTT (< 1 mM), making it the best choice for ultimate RNA protection.

### Application

- RT-PCR.
- Quantitative, real-time RT-PCR.
- *In vitro* transcription.
- *In vitro* translation.
- Coupled transcription/translation.
- Protection of mRNA in cDNA synthesis reactions.
- RNA isolation procedures.
- Preparation of RNase-free antibodies.
- Eukaryotic RNase contamination-sensitive experiment.

### Shipping and Storage Conditions

Store at -20 °C in a non-frost-free freezer. Avoid frequent change of temperature. RNaseOFF Ribonuclease Inhibitor is stable for 1 year from the date of shipping when stored and handled properly.

### Storage Buffer

20 mM HEPES-KOH pH 7.5  
50 mM KCl  
8 mM DTT  
50 % Glycerol