

## Ribonuclease Inhibitor, Human Placenta

Catlog Number: IEC-HMM-0038

### • Basic Information

Source: Recombinant E.coli

MV: 50 kDa

Purity: ≥95%

Buffer: 20 mM HEPES-KOH (pH7.6), 50 mM KCl, 8 mM DTT, 50% (v/v) glycerol

Instructions: 1. Ribonuclease Inhibitor has a wide pH range for inhibitory activity (pH 5.5-9);

2. The final concentration used in RT and in vitro transcription is 1 U/μL;

3. When Ribonuclease Inhibitor binds to RNase A, RNase A is released when the temperature exceeds 50°C or when the solution contains a high concentration of denaturants.



### • Applications

Ribonuclease Inhibitor specifically inhibits RNase A, RNase B, and RNase C, forming a 1:1 complex to block RNase activity. It does not inhibit RNase 1, RNase T1, S1 nuclease, RNase H, or RNase from Aspergillus; it also has no inhibitory effect on Taq DNA polymerase, AMV, M-MLV, or SP6 and T7 RNA polymerases.

### • Specification

40 U/μL

### • Storage & Transportation

-20°C