HB220701

Murine RNase inhibitor GMP-grade (40 U/μL)

Product Information

Product Name	Catalog No.	Size
Murine RNase inhibitor GMP-grade (40 U/μL)	10621ES10	10 KU
	10621ES20	20 KU
	10621ES60	100 KU
	10621ES99	1 MU

Product Description

RNase inhibitor can bind RNase to form a complex, thereby specifically inactivating RNase.

This product is a recombinant mouse-derived RNase inhibitor expressed and purified in *E. coli* in a soluble form, which can inhibit various types of RNase (RNase A, B, C). Also tested by RT-PCR and RT-qPCR. Compared with human-derived RNase inhibitor, this product does not contain the two cysteines that are very sensitive to oxidation in human-derived proteins, so it has higher antioxidant activity; and it's more suitable for high-DTT sensitivity experiments (such as qPCR, etc.).

This product is produced in accordance with GMP process requirements and is provided in liquid form.

Product Properties

Source	Recombinant *E.coli* with Murine RNase inhibitor gene
Storage Buffer	20 mM Hepes.KOH, 150 mM KCl, 8 mM DTT, 0.5%（v/v）NP 40, 0.5%（v/v）Tween20, 50%（v/v）Glycerol, pH 7.5 ±0.2（25℃）
Unit Definition	The amount of enzyme required to inhibit 50% of the activity of 5 ng RNase A is defined as 1 activity unit

Contents

Catalog No.	Name	Catalog No./Specification			
		10621ES10 (10 KU)	10621ES20 (20 KU)	10621ES60 (100 KU)	10621ES99 (1 MU)
10621	Murine RNase inhibitor GMP-grade (40 U/μL)	250 μL	500 μL	2.5 mL	25 mL

Shipping and Storage

The Murine RNase inhibitor GMP-grade products are shipped with dry ice and can be stored at -15℃ ~ -25℃ for one year.

Note

1. This product inhibits RNase activity in a wide range of pH, and exhibits maximum activity at pH 7-8.
2. Avoid foaming or vigorous stirring, vortexing and other operations to prevent the product from deactivation;
3. The product does not inhibit the activity of RNase H;
4. For your safety and health, please wear personal protective equipment (PPE), such as laboratory coats and disposable gloves, when operating with this product.