

# *RIBOPROTECT Hu* RNase Inhibitor Lyo-ready

version: 3.2021

Cat. No.: RT35L

<b>Product name</b>	<i>RIBOPROTECT Hu</i> RNase Inhibitor Lyo-ready
<b>Catalog numbers</b>	RT35L
<b>Concentration</b>	40 U/ $\mu$ l
<b>Unit definition</b>	One unit is defined as the amount of <i>RIBOPROTECT Hu</i> RNase Inhibitor required to inhibit the activity of 5 ng of ribonuclease A by 50%.
<b>Components</b>	<i>RIBOPROTECT Hu</i> RNase Inhibitor Lyo-ready
<b>LOT</b>	QCEXXXXXX
<b>Expiry date</b>	XX.XXXX
<b>Storage conditions</b>	2-8°C (up to 3 freeze/thaw cycles is acceptable)
<b>Storage buffer</b>	20 mM HEPES-KOH; 50 mM KCl; 8 mM reducing agent; pH 7.6 * Trace amounts of glycerol may be present
<b>Shipping conditions</b>	Blue ice
<b>Specification version</b>	PS-RT35L-1.2021
<b>The product was made in Poland</b>	

## Quality Control

Parameter	Specification	Analysis
Activity	40 U/ $\mu$ l	PASS
Protein Purity Assay <sup>1</sup>	> 90%	PASS
RNase Contamination <sup>2</sup>	None detected	PASS
Latent RNase Contamination <sup>3</sup>	None detected	PASS
Endonuclease Contamination <sup>4</sup>	None detected	PASS
Endonuclease Contamination <sup>5</sup>	None detected	PASS

1. The purity is >90% as evaluated by SDS-PAGE electrophoresis.
2. RNase activity is judged by incubation of 1  $\mu$ g of RNA with minimum of 200 U of **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 1 hour at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.
3. Latent RNase activity is judged by incubation of 1  $\mu$ g of RNA with minimum of 200 U of heat-inactivated **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 1 hour at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.
4. Endonuclease activity is judged by incubation of 1  $\mu$ g of supercoiled plasmid DNA with minimum of 200 U of **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 2 hours at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.
5. Exonuclease activity is judged by incubation of 1  $\mu$ g of digested plasmid DNA with minimum of 200 U of **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 2 hours at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.

This product has been tested and shown to be in compliance with all specifications.

Name Surname

XXXXXX

Date

XX.XX.XXXX

### QUALITY CONTROL

*This document was generated electronically and is therefore valid without signature.*

#### PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

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