

## PRODUCT SPECIFICATION

<b>Product Name:</b>	TargetEx RibonEx RNase Inhibitor 40 U/μL (with KCl)
<b>Catalogue Number:</b>	TGX-039-01/04
<b>Concentration:</b>	40 U/μL
<b>Storage Temperature:</b>	-20 °C
<b>Shipping Condition:</b>	Blue ice
<b>Stability:</b>	Stable for 2 years at -20 °C
<b>Storage Buffer:</b>	20 mM Hepes-KOH (pH=7.5), 50 mM KCl, 8 mM DTT, 50% glycerol
<b>Amount:</b>	2500/10000 Units

## QUALITY CONTROL

Assay Name	Specification
<b>Purity Assay</b>	≥ 95% purity determined by SDS-PAGE
<b>DNase Activity Assay</b>	No detectable level of DNase activity was observed according to a fluorescence-based QC method
<b>Latent RNase Activity Assay</b>	No latent RNase activity was detected according to a gel-electrophoresis based QC method
<b>Endonuclease Assay</b>	No endonuclease activity was detected according to a gel-electrophoresis based QC method
<b>Activity Assay</b>	No detectable RNA degradation is observed in the presence of RNase, confirming activity as assessed by an agarose gel-based QC method
<b>qPCR Assay</b>	No measurable inhibitory effect on amplification is detected in a qPCR-based QC method

Testing confirms compliance with all defined specifications.

