

Product Datasheet

Vazyme - HiScript IV All-in-One Ultra RT SuperMix for qPCR (R433-01)

Catalog Number	R433-01
Category	Tools
Description	<p>HiScript IV All-in-One Ultra RT SuperMix for qPCR is a next-generation qPCR-specific reverse transcription kit. This product integrates all the necessary components for genomic DNA removal and RNA reverse transcription in a single tube, requiring only the addition of template and water to initiate the reaction. With specially optimized reverse transcriptase, DNase, and a proprietary buffer, it allows for rapid completion of both genomic DNA removal and reverse transcription in just 5 minutes. The resulting cDNA is compatible with both dye-based and probe-based qPCR methods.</p>
Usage Notes	Restricted to UK and Ireland's customers ONLY
Storage	<p>Store at -30 ~ -15°C and ship at ≤0°C . Performance Faster Reaction Complete genomic DNA removal and reverse transcription in 5 minutes. Total RNA from 293T cells (100 ng) was used as a template for reverse transcription reactions with Vazyme #R433, following the manufacturer's protocol at different reverse transcription times (5 min, 10 min, and 15 min). The resulting cDNA was then subjected to qPCR quantification for multiple genes using Vazyme #Q712. The results demonstrate that Vazyme #R433 achieved effective reverse transcription at both the 5-minute rapid time and the 15-minute standard time. Higher Reverse Transcription Efficiency Reverse transcription reactions were conducted using 100 ng of RNA from animal cells, plant tissues, and animal tissues as templates with Vazyme #R433, Vazyme #R333, and other commercially available reverse transcription reagents (Supplier A and B), following the recommended protocols for each product. The resulting cDNA underwent quantitative analysis of multiple genes through qPCR. The results indicate that Vazyme #R433 consistently yielded lower C T values across different testing systems, indicating superior reverse transcription efficiency compared to both Vazyme #R333 and the products from Supplier A and B.</p>

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Background Only available for the UK and Republic of Ireland

Note For research use only

Expiration Date 12 months from date of receipt.



Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)