

## Product Datasheet

# Vazyme - HiScript III 1st Strand cDNA Synthesis Kit (+gDNA wiper) (R312-01)

<b>Catalog Number</b>	R312-01
<b>Category</b>	Tools
<b>Description</b>	HiScript III 1st Strand cDNA Synthesis Kit (+gDNA wiper) is an upgraded version of HiScript II 1st Strand cDNA Synthesis Kit (+gDNA wiper), including a new generation of reverse transcriptase HiScript III Reverse Transcriptase and Buffer optimized for reverse transcription, further improving the efficiency of 1st strand synthesis. The 5 × gDNA wiper Mix in the kit can quickly remove genomic DNA contamination within 2 min, which makes the results more reliable and simplifies the process of qPCR primer design without the need of spanning an exon-exon junction. The kit contains single-component reverse transcription primers Oligo (dT) 20 VN and Random hexamers, which allows users to choose primers flexibly for subsequent experiments as required. The kit can be used to synthesize full-length cDNA (up to 20 kb) for cloning and other downstream experiments, as well as highly uniform cDNA for qPCR.
<b>Application notes</b>	Excellent reverse transcription efficiency: Compatible with low RNA input and degraded RNA template. Superior reverse transcription performance: The length of obtained cDNA can reach to 20 kb. High impurities tolerance: It maintains efficient reverse transcription performance in the presence of common impurities (e.g. ethanol, isopropyl alcohol, water balance phenol). Selectable primers: Oligo (dT)20VN and Random hexamers are available individually packaged. Efficiency gDNA elimination: Effective elimination of up to 500 ng of gDNA.
<b>Usage Notes</b>	Restricted to UK and Ireland's customers ONLY
<b>Storage</b>	Store at -30 ~ -15 °C and transport at ≤0 °C .
<b>Background</b>	Only available for the UK and Republic of Ireland
<b>Note</b>	For research use only

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**Expiration Date** 12 months from date of receipt.



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