

## Product Datasheet

# Vazyme - FastPure Plant Total RNA Isolation Kit (Polysaccharides&Polyphenolics -rich) (RC401-01)

<b>Catalog Number</b>	RC401-01
<b>Category</b>	Tools
<b>Description</b>	<p>This kit is suitable for the rapid extraction of total RNA from plant tissues, especially those rich in polysaccharides, polyphenols, or starch (e.g., cotton, mature rice, pine needles, populus, loquat, potato, banana, grape, apple, pear, China rose, buckwheat seeds, and Arabidopsis thaliana seeds), with extraction protocols provided for common plant tissues (e.g., Arabidopsis thaliana and tobacco). The kit is based on silica gel membrane purification technology without time-consuming alcohol precipitation and does not require phenol/chloroform, or any other toxic reagent during the extraction process. FastPure gDNA-Filter Columns II can effectively remove impurities, adsorbing and removing genomic DNA. FastPure RNA Columns IV can efficiently bind RNA, and with an optimized buffer the obtained total RNA has high purity. The isolated RNA has no proteins or other impurities contamination. It can be used for RT-PCR, Real-Time PCR, Microarrays, Northern blot, Dot blot, Poly(A) screening, in vitro translation, RNase protection assay, molecular cloning and other downstream experiments.</p>
<b>Application notes</b>	<p>Safe and non-toxic: No need for organic reagents such as phenol or chloroform Fast: Extract RNA from samples within 30 min Wide compatibility: Suitable for RNA extraction from a variety of common plants and polysaccharide- and polyphenol-rich plants High purity: High purity of extracted RNA, which is ready for use in demanding downstream experiments Minimal gDNA residue: Equipped with spin columns that effectively remove gDNA contamination</p>
<b>Usage Notes</b>	Restricted to UK and Ireland's customers ONLY
<b>Storage</b>	Store at 15 ~ 25°C and transport at room temperature.
<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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