

Rat Universal Reference Total RNA

Catalog No.
636658

Amount
2 x 200 µg

Lot Number
Specified on product label.

Description

Mixture of total RNAs from a collection of adult rat tissues, chosen to represent a broad range of expressed genes. Both male and female animals are represented. Rat Universal Reference Total RNA serves as a standard for comparing gene expression data and is useful as an internal control for microarray expression profiling experiments.

Total RNA isolated by a modified guanidinium thiocyanate method (Chomczynski and Sacchi 1987).

Package Contents

- 2 x 200 µg Rat Universal Reference Total RNA

Storage Conditions

- Store at -70°C .

Form

- Total RNA provided in RNase-free water.

Concentration

- 1 µg/µl

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice

Important Note

- To prevent contamination by RNases, always wear gloves when handling RNA. Avoid multiple freeze/thaw cycles.

References

Chomczynski, P. & Sacchi, N. Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. *Anal. Biochem.* **162**, 156–9 (1987).

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Certificate of Analysis

Cat. No. 636658

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Quality Control Data

This lot of total RNA was analyzed by capillary electrophoresis (CE) using an Agilent 2100 Bioanalyzer. RNA integrity was determined by the resulting electropherogram trace as follows: the area ratio of the 28S/18S rRNA peaks was ≥ 1.0 , while the proportion (relative percentage) of the 28S and 18S combined peak areas to the total trace area was $\geq 15.0\%$.

The Universal Reference Total RNA was sequenced by NGS RNA sequencing method and mapped to the reference genome of rat. Expected gene expression profile was determined.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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