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## PRODUCT: Rat Brain, cerebellum, Total RNA

<b>CATALOG No.</b> 636656	<b>CONCENTRATION</b> 1 µg/µl	<b>DESCRIPTION</b> Total RNA isolated by a modified guanidinium thiocyanate method (1)
<b>LOT NUMBER</b> 1008294A		<b>PACKAGE CONTENTS</b> 50 µg Total RNA from the tissues/cells specified below
<b>FORM</b> Suspension of total RNA in RNase-Free water.		<b>TOTAL RNA SOURCE</b> Normal brain (cerebellum) pooled from 200 male/female Sprague-Dawley rats, ages: 8-12 weeks
<b>STORAGE CONDITIONS</b> Store at -70°C		No further RNA source information is available.
<b>SHELF LIFE</b> 1 year from date of receipt under proper storage conditions.		<b>IMPORTANT NOTE</b> To prevent contamination by RNases, always wear gloves when handling RNA. Avoid multiple freeze/thaw cycles.
<b>SHIPPING CONDITIONS</b> Dry ice (-70°C)		

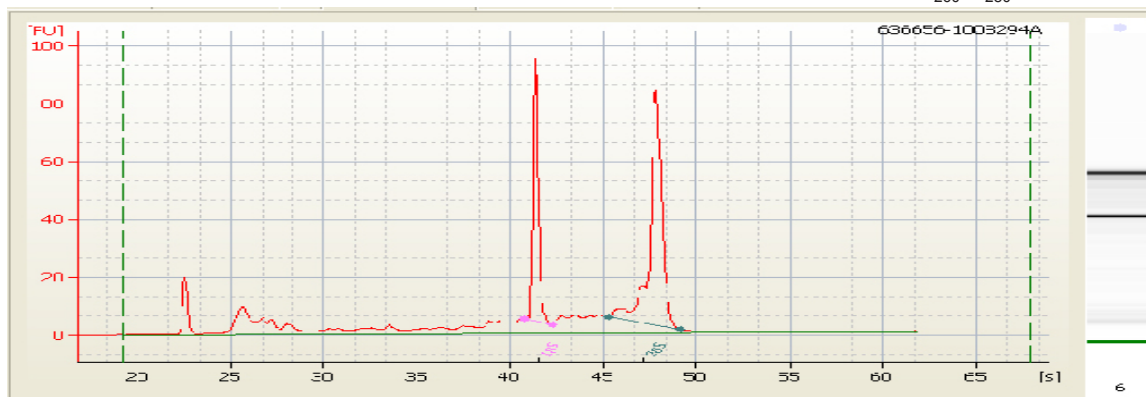
### FOR RESEARCH USE ONLY

#### QUALITY CONTROL DATA

This lot of total RNA was analyzed by capillary electrophoresis (CE) using an Agilent 2100 Bioanalyzer. The actual electropherogram trace for this RNA is provided below. RNA concentration and purity were evaluated by UV spectrophotometry.

Both the area ratio of the 28S/18S rRNA peaks, and the proportion (relative percentage) of these two peak areas to the total area under the electropherogram provide reliable quantitative estimates of RNA integrity. For both of these criteria, this sample meets or exceeds Clontech Standards for high quality total RNA.

Peak Areas: 28S: 30.9%    18S: 16.3%    Ratio 28S/18S: 1.9    Ratio  $A_{260}/A_{280}$ : 1.8



#### REFERENCES

- Chomczynski, P. & Sacchi, N. (1987) Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. *Anal. Biochem.* **162**:156-159.

APPROVED BY: \_\_\_\_\_

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