

In the interest of conserving resources, we are no longer shipping manuals with products. Please visit [www.clontech.com/manuals](http://www.clontech.com/manuals) to obtain an electronic version.

## PRODUCT: Human Lung Total RNA

<b>CATALOG No.</b> 636524	<b>CONCENTRATION</b> 1 µg/µl	<b>DESCRIPTION</b> Total RNA isolated by a modified guanidinium thiocyanate method (1)
<b>LOT NUMBER</b> 1604072A		<b>PACKAGE CONTENTS</b> 50 µg Total RNA from the tissues/cells specified below
<b>FORM</b> Total RNA provided in RNase-Free water		<b>TOTAL RNA SOURCE</b> Normal human lung pooled from 3 male/female Caucasians, ages: 32-61; cause of death: sudden death
<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)		

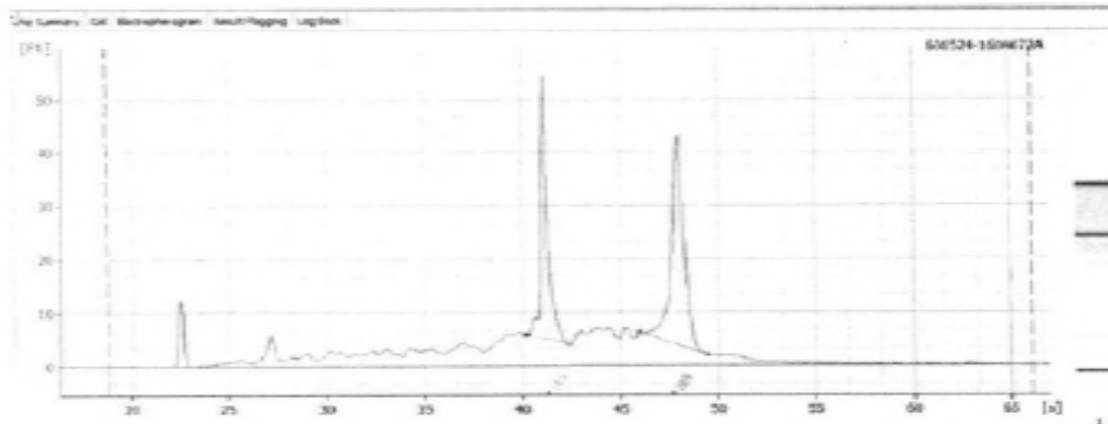
### FOR RESEARCH USE ONLY

#### 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: 17.1%      18S: 14.7%      Ratio 28S/18S: 1.2      Ratio  $A_{260}/A_{280}$ : 2.1



#### REFERENCES

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



**Clontech**

United States/Canada  
800.662.2566

Asia Pacific  
+1.650.919.7300

Europe  
+33.(0)1.3904.6880

Japan  
+81.(0)77.543.6116

Clontech Laboratories, Inc.  
A Takara Bio Company  
1290 Terra Bella Ave.  
Mountain View, CA 94043  
Technical Support (US)  
E-mail: [tech@clontech.com](mailto:tech@clontech.com)  
[www.clontech.com](http://www.clontech.com)

(PA14587)

---

## Human Lung Total RNA

### CATALOG NO.

636524

### NOTICE TO PURCHASER:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product's web page at <http://www.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

### TRADEMARKS:

Clontech and the Clontech logo are trademarks of Clontech Laboratories, Inc.

All other marks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech is a Takara Bio Company. ©2016 Clontech Laboratories, Inc. This document has been reviewed and approved by the Clontech Quality Assurance Department.

---

#### Clontech Laboratories, Inc.

A Takara Bio Company  
1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

5/31/2016

United States/Canada	Asia Pacific	Europe	Japan
800.662.2566	+1.650.919.7300	+33.(0)1.3904.6880	+81.(0)77.543.6116