

# Certificate of analysis

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<b>Product Name/Description:</b>	RNase T1, AOF		
<b>Cat. #:</b>	2152B		
<b>Lot #:</b>	Specified on product label		
<b>Storage Conditions:</b>	-20 degrees C		
<b>Expiration Date:</b>	Specified on product label or package		
<b>Package Size:</b>	500 KU		
<b>Package Contents:</b>	1. RNase T1, AOF	1000 U/ $\mu$ l	500 KU
<b>Source:</b>	Escherichia coli carrying a plasmid containing the gene for Ribonuclease T1 from Aspergillus oryzae		
<b>Unit Definition:</b>	One unit is the amount of enzyme that increases the absorbance at 260 nm by 1.0 in 15 minutes at 37°C and pH 7.5, using carrier RNA as the substrate.		
<b>Quality Control Data:</b>	<p>Activity: The activity was 1,000 U/<math>\mu</math>l or higher and 1,200 U/<math>\mu</math>l or lower, measured by the spectrophotometric assay.</p> <p>Protein purity: The enzyme was detected as a band with 90% or higher purity in SDS-PAGE analysis.</p> <p>Endotoxins: Endotoxin level was 50 EU/ml or lower, measured by the colorimetric assay.</p> <p>Protease contamination test: Trypsin activity was 0.5 <math>\mu</math>g/ml or lower, when 1,000 U of RNase T1, AOF was incubated with 1 <math>\mu</math>g of FTC-Casein solution for 1 hour at 25°C.</p> <p>Exodeoxyribonuclease contamination test: Pst I- or Hind III-digested PCR products were incubated with or without 1,000 units of the enzyme for 1 hour at 37°C. The DNA fragments were then used for ligation and exhibited no obvious difference in agarose-gel electrophoresis.</p>		

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

**Notice To Purchaser:**

Please refer to the website.

**Product Documents, Patent Markings, Trademarks, & Safety Information:**

Refer to website for availability to download or contact your local office:

[www.takara-bio.co.jp](http://www.takara-bio.co.jp) (Japanese)

[www.takarabio.com](http://www.takarabio.com) (English)

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