

Certificate of analysis

Product Name/Description:	RNase T1, AOF		
Cat. #:	2152A		
Lot #:	Specified on product label		
Storage Conditions:	-20 degrees C		
Expiration Date:	Specified on product label or package		
Package Size:	100 KU		
Package Contents:	1. RNase T1, AOF	1000 U/ μ l	100 KU
Source:	Escherichia coli carrying a plasmid containing the gene for Ribonuclease T1 from Aspergillus oryzae		
Unit Definition:	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.		
Quality Control Data:	<p>Activity: The activity was 1,000 U/μl or higher and 1,200 U/μl 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 μg/ml or lower, when 1,000 U of RNase T1, AOF was incubated with 1 μg 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 (Japanese)

www.takarabio.com (English)

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