

Recombinant RNase T2

Product Information Sheet

GE-NUC00400-Lot#AA0005



Engineered, recombinant ribonuclease T2 produced by microbial fermentation with *Pichia pastoris*.

The product is supplied in a liquid formulation in 15 mM Na-acetate (pH 4.5), 100 mM NaCl, 50 % (v/v) glycerol.

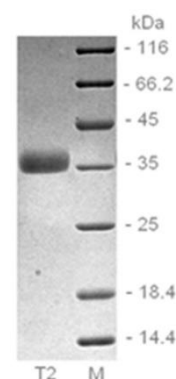
The product is manufactured without the use of antibiotics or materials from animal origin.

Enzyme Characteristics

Molecular weight	28 kDa plus glycosylation
Isoelectric point	pH 5.1
Substrates	RNA
pH optimum	n.d.
pH stability	n.d.
Temperature optimum	n.d.

Activity

22 U/μl



Unit Definition

Unit definition (U): One unit of the enzyme activity is defined as the enzyme amount that causes an increase in absorbance of 1.0 at 260 nm in 15 minutes when yeast RNA is hydrolyzed at 37 °C and pH 4.5.

Typical Reactions

Cleavage of RNA

Absence of Contaminants

Tested for alkaline and acid phosphatases. For determination of phosphatase activity enzyme product is incubated with p-nitrophenylphosphate for at least 2 h at 37 °C at the indicated pH values.

pH = 4.0 ≤ 50 nU/μl

pH = 7.5 ≤ 50 nU/μl

pH = 10.0 ≤ 50 nU/μl

Order Information, Shipping, and Storage

Order#	Product	Quantity
GE-NUC00400-04	Recombinant RNase T2	1000 U
GE-NUC00400-02	Recombinant RNase T2	3x 1000 U
shipped on blue ice; store at -20°C; for research use only		

BIOZOL

A CALIBRE SCIENTIFIC COMPANY

BIOZOL
Diagnostica Vertrieb GmbH
Leipziger Straße 4
85386 Eching
Germany

Phone: +49 (89) 3799 666 6
Fax: +49 (89) 3799 666 99
E-Mail: info@biozol.de
www.biozol.de

