

Certificate of analysis

Product Name/Description: mRNA Interferase™-MazF
Cat. #: 2415A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 1000 U

Package Contents:

1. mRNA Interferase-MazF	20 U/μl	1000 U
2. 5X MazF Buffer		1 ml

Source: Escherichia coli carrying the plasmid encoding mRNA Interferase-MazF gene

Unit Definition: One unit of the enzyme is defined as the amount that cleaves 1 pmol of standard substrate (ROX-5'-GATAUACATATCT-eclipse, the UACA region are composed of RNA) in 10 minutes at 37°C and pH 7.5.

Quality Control Data:

Nuclease contamination test:

Nuclease activity was not detected by agarose gel electrophoresis following the reactions below:

1) Incubating ssRNA without AC sequence with this product at 37°C for 16 hours.

2) Incubating dsRNA with this product at 37°C for 16 hours.

3) Incubating λ-Hind III digest with this product at 37°C for 16 hours.

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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