

Simple miRNA Detection Kit

For more information : http://www.funakoshi.co.jp/exports_contents/46135

Detection of microRNA (miRNA) is one of your burdensome tasks?
We can provide you with the best solution !

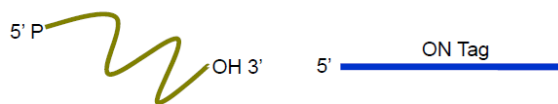
The "Simple miRNA Detection Kit" enables a simple and rapid detection of miRNA.

Features

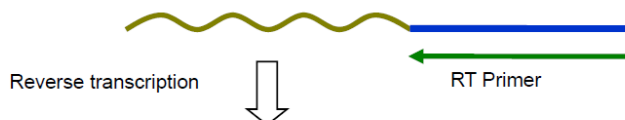
- Detection of target miRNA and small RNAs can be performed with your own primers by RT-PCR.
- The ON tag can be ligated to miRNA, piRNA and also 2'-O-methylated 3' terminal nucleotide.
- Enrichment or purification of miRNA is not required to detect miRNA in total RNA.
- The size of target miRNA can be determined by electrophoresis.

miRNA detection scheme

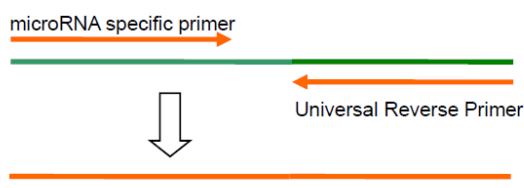
(1) ON Tag Ligation to miRNA



(2) Reverse-Transcription Reaction



(3) PCR Amplification



Example Data

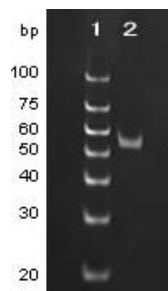


Fig. 1 Detection of mouse piRNA
Mouse piR-1 (DQ539889, *Mus musculus*) in mouse testis total RNA was detected with the Simple miRNA Detection Kit.

1: DynaMarker DNA Small (#DM100)
2: Target mouse piR-1

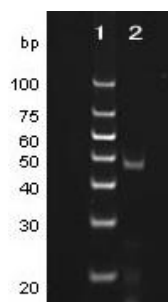


Fig. 2. Detection of plant microRNA
Ath-miR173(MIMAT0000206, *A. thaliana*) in *A. thaliana* total RNA was detected with the Simple miRNA Detection Kit. The ath-miR173 was known to be 2'-O-methylated at the 3' terminal nucleotide.

1: DynaMarker DNA Small (#DM100)
2: Target ath-miR173

Product Information

[Manufacturer: BDL]

Product Name	Size	Code	Storage
Simple miRNA detection kit	1 kit	DS700	-20°C

Prestained RNA Marker for small RNA

For more information : http://www.funakoshi.co.jp/exports_contents/46113

▪ Prestained !

“DynaMarker Prestain Marker for Small RNA Plus” is a highly visible indicator with dual colors of blue and red.

▪ From 20 to 100 base !

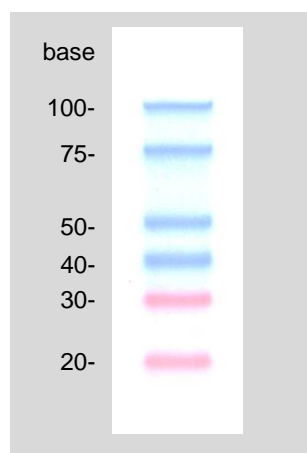
The apparent sizes of the bands in the marker are **20, 30, 40, 50, 75 and 100** bases in length.

▪ Ready to use !

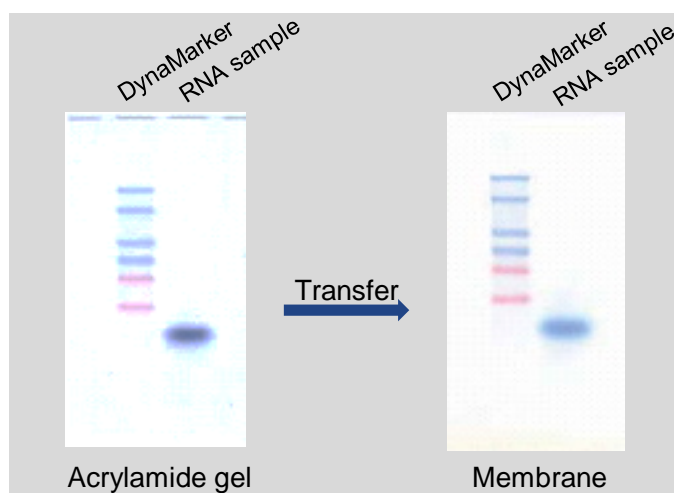
It is ready-to-use mixture for acrylamide gel. **Does not require heat treatment or denaturing agents.**

▪ Visible during electrophoresis !

The visible prestained bands during electrophoresis enable you to monitor the RNA electrophoresis under the optimized condition.



Electrophoresis profile of DynaMarker Prestain Marker for Small RNA Plus (5 μ L) on 10 % acrylamide containing 7.5 M urea gel with 1 \times TBE buffer as running buffer.



Left: Electrophoresis profile 10 % acrylamide containing 7.5 M urea gel with 1 \times TBE buffer as running buffer.
Right: Nylon membrane after transfer

Citation

- Wang Y *et al.*, *Mol. Genet. Genomics*. 2015 Apr;290(2):471-84 [PMID: 25293935]
- Kurosaki *et al.*, *Genes. Dev.* 2014 Sep 1;28(17):1900-1916 [PMID: 25184677]
- Kim KK *et al.*, *Nat. Struct. Mol Biol.* 2014 Oct;21(10) [PMID: 25240799]

Product Information

[Manufacturer: BDL]

Product Name	Size	Code	Storage
DynaMarker, Prestain Marker for Small RNA Plus	75 μ L	DM253S	-20°C
	150 μ L	DM253	-20°C

NOTE * All products on here are for research use only, not for diagnostic use. * All brand and product names are registered trademarks of their respective companies.
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Interchim

211 Bis avenue J.F. Kennedy
BP 1140 03100 Montluçon Cedex
FRANCE
Phone: +33 (0) 470 038 855
Fax: +33 (0) 470 038 260
Email: interchim@interchim.com

funakoshi Co., Ltd.

Address: 9-7 Hongo 2-Chome, Bunkyo-ku,
Tokyo 113-0033 JAPAN
Phone: +81-3-5684-6296
Fax: +81-3-5684-6297
Email: export@funakoshi.co.jp

ZF-Y09T-04 (2015.09)