

Datasheet for ABIN1540472
1Kb DNA Ladder[Go to Product page](#)

1 Image

Overview

Quantity:	100 tests
Detection Range:	500-10000 bp
Minimum Detection Limit:	500 bp
Application:	Agarose Gel Electrophoresis (AGE)

Product Details

Purpose:	1Kb DNA ladder (Quantitative) is ideal for determining the size of double-stranded DNA from 500 to 1000 base pairs.
Detection Method:	Fluorometric
Characteristics:	<p>The ladder consists of 10 linear double-stranded DNA fragments, chromatography-purified. The intensity of the 2000bp and 5000bp has been increased to serve as a reference for easy identification. All fragments are precisely quantified and mixed during the production. For 5 μL loading, all fragments except 2000bp and 5000bp are at 40ng. The 2000bp and 5000bp fragments are at 100ng. This ladder is pre-mixed with loading dye and is ready to use.</p> <p>10 DNA Fragments (bp): 500, 1000, 1500, 2000, 3000, 4000, 5000, 6000, 8000, and 10000</p> <p>2000bp and 5000 Bands: 100ng/5 μL</p> <p>Other Bands: 40ng/5 μL</p> <p>Range: 500bp-10kb</p> <p>Bands: 10</p>

Application Details

Application Notes:	<p>Recommended Loading: 5 μL/Lane.</p> <p>Add 5 μL ladder directly to each well. You may need more or less than 5 μL of ladder, depending</p>
--------------------	--

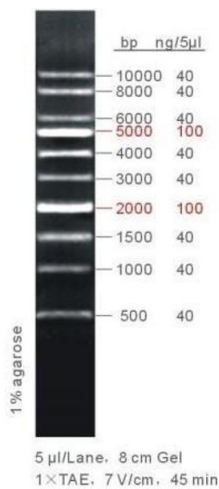
Application Details

	on well size and level of intensity needed to visualize the bands.
	Recommended Loading: 5 µL/Lane, 8cm, 1% Agarose Gel, 1×TAE, 7V/cm, 45min.
Comment:	Do not heat before loading.
	For quantification, adjust the concentration of the sample to equalize.
	Visualize DNA by staining with ethidium bromide or with SYBR Green I.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	-20 °C
Storage Comment:	1 year at room temperature, for long term storage, please keep at -20°C.
Expiry Date:	12 months

Images



Agarose Gel Electrophoresis

Image 1.