

Datasheet for ABIN1540462

**LMW DNA Ladder****1** Image[Go to Product page](#)

## Overview

Quantity:	100 tests
Detection Range:	25-700 bp
Minimum Detection Limit:	25 bp
Application:	Agarose Gel Electrophoresis (AGE)

## Product Details

Purpose:	LMW DNA Ladder is ideal for determining the size of double-stranded DNA from 25 to 700 base pairs.
Detection Method:	Fluorometric
Characteristics:	<p>The ladder consists of 10 linear double-stranded DNA fragments, chromatography- purified.</p> <p>The intensity of the 100bp and 300bp 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 100bp and 300bp are at 40ng. The 100bp and 300bp fragments are at 100ng. This ladder is pre-mixed with loading dye and is ready to use.</p> <p>10 DNA Fragments (bp): 25, 50, 75, 100, 150, 200, 300, 400, 500, and 700</p> <p>100bp and 300bp Bands: 100ng/5 µL</p> <p>Other Bands: 40ng/5 µL</p> <p>Range: 25bp-700bp</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>
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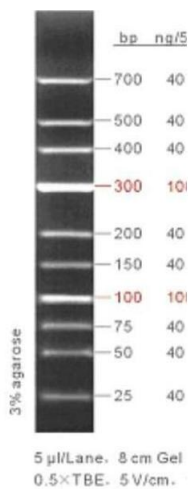
Application Details

	on well size and level of intensity needed to visualize the bands. Recommended Loading: 5 µL/Lane, 8cm, 3 % Agarose Gel, 0.5×TBE, 5V/cm, 1h.
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.