

# Genaxxon BioScience

## GenLadder 1 kbp

Synthetic DNA Size Marker with fragments from 250bp to 10000bp.

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Product	Cat#	Package size
GenLadder 1 kbp without dye	M3084.0050	1 x 50µg
GenLadder 1 kbp without dye	M3084.5050	5 x 50µg
GenLadder 1 kbp without dye	M3084.0250	1 x 250µg

### Description

The Genaxxon BioScience 1kb GenLadder is an ideal DNA size marker for fragments sizes from 250bp up to 10000 bp of linear double-stranded DNA. All bands light up with the same intensity except the 1000bp and the 3000bp bands, which are brighter for better orientation.

Each band is exact with respect to DNA size. No ambiguous bands are visible.

For convenience reasons the fragment sizes are more narrow between 250pb and 1500bp with size steps of 250bp.

### Fragment sizes

Fragment sizes	DNA masses at 1µg
250bp	10 ng/10 µL
500bp	19 ng/10 µL
750bp	28 ng/10 µL
1000bp (2x)	113 ng/10 µL
1500bp	56 ng/10 µL
2000bp	74 ng/10 µL
2500bp	94 ng/10 µL
3000bp (2x)	224 ng/10 µL
4000bp	79 ng/10 µL
5000bp	94 ng/10 µL
6000bp	79 ng/10 µL
8000bp	66 ng/10 µL
10000bp	64 ng/10 µL

### Stability and Storage

Very stable in the delivered form at a constant temperature of -20°C.

It is not recommended to thaw and freeze. Repeat thaw-freeze cycles (> 10 times) will harm the DNA-marker.

Store the DNA-marker at -20°C.

### Concentration

Marker is dissolved in buffer without dye.

The total concentration of the DNA-Marker is about 0.1µg / 1µL.

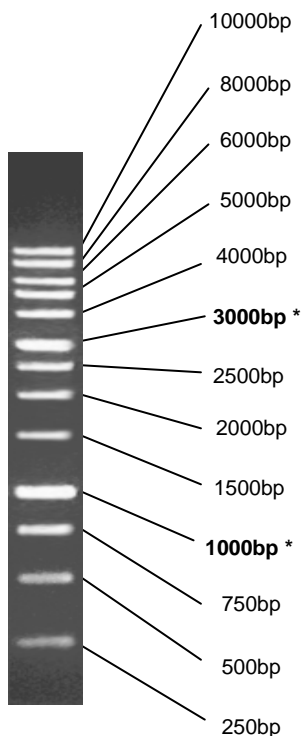
### Loading

We recommend to load 0.5 – 1.0 µg (5 – 10µL) per lane

### Related Products

Product	Cat#	Package size
100 bp ladder	M3082	50µg; 250µg
100 bp + 1.5 kbp ladder	M3340	50µg; 250µg
100 bp ladder extended	M3083	50µg; 250µg

Genaxxon BioScience offers DNA-Polymerases, modifying enzymes, agaroses and dNTPs. Please visit our web-page for details: [www.genaxxon.com](http://www.genaxxon.com).



1 µg of M3084 DNA-Ladder.  
 1.5% Agarose/TBE.