

pBR322 DNA/*Msp* I

Cat. no. 4992927/4992928

Storage: -30~-15°C for 2 years. For frequently use, it can be stored at 2-8°C for 3 months.

Concentration: About 0.1 mg DNA/ml

Product size

4992927	10 µg	Ready to use
4992928	50 µg	Ready to use

TIANGEN BIOTECH (BEIJING) CO., LTD.

[HTTP://WWW.TIANGEN.COM/EN](http://www.tiangen.com/en)

The product is used for research only, neither intended for the diagnosis, or treatment of a disease, nor for the food, or cosmetics etc.

Description

This product is plasmid pBR322 DNA digested completely by *Msp* I, which consists DNA fragments of 622, 527, 404, 309, 242, 238, 217, 201, 190, 180, 160, 147, 123, 110, 90, 76, 67, 34, 26 bp. It is applied as molecular weight standards for agarose gel electrophoresis or polyacrylamide gel electrophoresis.

This product is ready to use, which contains 1× Loading Buffer already.

Buffer Contents

10 mM Tris-HCl (pH 7.6)
10 mM EDTA
0.04% Bromophenol Blue
5% Glycerol

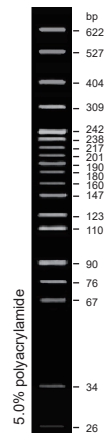
Protocol

1. Directly take 5 µl pBR322 DNA/*Msp* I for Electrophoresis (load 0.1 µg per 1 mm gel lane. Load 0.5 µg in gel lane smaller than 6 mm. The loading volume can be increased appropriately for wide lanes).
2. Electrophoresis condition: 2.5~3.0% agarose gel, 4~10 v/cm voltage; or 5.0~8.0% polyacrylamide gel, 10 v/cm voltage.
3. DNA marker can be visualized using ethidium bromide under UV light.

Recommendations

1. Directly use, do not heat before loading.
2. Please use new agarose gel and replace electrophoresis buffer in time, so as not to affect the electrophoresis results.

pBR322 DNA/*Msp* I



5 µl loading,
15 cm-long gel,
10 v/cm voltage,
1 × TBE Buffer