

Instructions for PBR322 plasmid

Item number: P3600

Specification: 20µg

Storage: -20°C storage, valid for at least 5 years

Product Description:

Plasmid vector pBR322 is one of the most studied, earliest and most widely used *E. coli* plasmid vectors. The "p" in symbolic plasmid vector pBR322 stands for plasmid; "BR" stands for the initials of the last names of the two researchers Bolivar and Rogigerus, and "322" is the experiment number.

pBR322 is an important artificially constructed plasmid, known as the universal plasmid. It is constructed from pSF2124, pMB8 and pSC101 by a complex recombination process.

The size of plasmid pBR322 is 4361bp, and its small relative molecular weight is its first advantage. The second advantage is that it carries a replication initiation site, which ensures that the plasmid can only replicate in *E. coli* cells. It has two antibiotic resistance genes, the ampicillin resistance gene and the tetracycline resistance gene, and the selective marker for the inverter is its third advantage.

This product is a purified PBR322 plasmid dissolved in TE buffer, which can be directly used for molecular cloning experiments such as vector construction and transformation.

Plasmid Map:

