

pBR322 plasmid

Plasmid vector pBR322 is one of the most researched, the earliest and most widely used E. coli plasmid vectors. In the symbolic plasmid vector pBR322, "p" stands for "plasmid"; "BR" stands for the prefix of two researchers, Bolivar and Rogigerus, and "322" is the experimental number. pBR322 is an important artificially constructed plasmid, known as a universal plasmid. It is constructed from three parental plasmids, pSF2124, pMB8 and pSC101, through a complex recombination process.

The size of the plasmid vector pBR322 is 4361bp, and its smaller molecular weight is its first advantage. The second advantage is that it has a replication initiation site, which ensures that the plasmid can only perform the replication function in E. coli cells. It has two antibiotic resistance genes, ampicillin resistance gene and tetracycline resistance gene, and its third advantage is the selectable marker for transformants.

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.

Catalog No.	514003
Size	20ug
Product Category	Plasmid / Vector
Storage/Stability	-20°C/5 years
Shipping	Gel Packs