NOVEL SEQUENCE AND UTILIZATION THEREOF

ABSTRACT

A shuttle vector is constructed by preparing a DNA region replicable in bacteria belonging to the genus *Rhodococcus* from a *Rhodococcus*-derived plasmid having the nucleotide sequence set forth as SEQ ID NO: 73 and a plasmid or its DNA fragment having the nucleotide sequence set forth as SEQ ID NO: 74, and a DNA region replicable in *E. coli* from an *E. coli*-derived plasmid or its DNA fragment. An aminoketone asymmetric reductase gene is inserted into the shuttle vector, transformants containing the vector are created, and the aminoketone asymmetric reductase and optically active aminoalcohols are produced.

Figure 1