

METHOD OF CONSTRUCTING GENE TRANSPORT SUPPORT

ABSTRACT

An object of the present invention is to provide a method of efficiently constructing a gene delivery carrier having a favorable activity and expression efficiency of a protein expressed by a gene introduced by transformation. Moreover, an object of the present invention is to provide a pharmaceutical composition comprising a gene delivery carrier constructed by the construction method and a therapeutic agent for solid tumor comprising the resistant bacterium. The objects of the present invention have been attained by a gene delivery carrier consisting of an anaerobic microorganism capable of growing in a tumor tissue in an anaerobic environment and capable of expressing (A) a protein having an antitumor activity or (B) a protein having an activity of converting an antitumor substance precursor to an antitumor substance, wherein DNA encoding the protein of interest is allowed to further comprise, on the 5'-terminal side thereof, a DNA fragment comprising a nucleotide sequence encoding a peptide consisting of an amino acid sequence from the 1st to at least 4th amino acids at the N-terminus of a histone-like DNA-binding protein.