Claims

1. An adenovirus having a capsid comprising:

a hexon protein of SAdV-28, amino acids 1 to 944 of SEQ ID NO: 11;

a penton protein of SAdV-28, amino acids 1 to 582 of SEQ ID NO: 6; and

a fiber protein of SAdV-28, amino acids 1 to 323 of SEQ ID NO: 21;

said capsid encapsidating a heterologous molecule carrying a gene operably linked to expression control sequences which direct transcription, translation, and/or expression thereof in a host cell and further comprising the 5' and 3' adenovirus cis-elements necessary for replication and encapsidation.

2. The adenovirus according to claim 1, wherein said recombinant adenovirus lacks all or a part of the E1 gene.

3. The adenovirus according to claim 1 or claim 2, wherein said adenovirus is replication - defective.

4. The adenovirus according to any of claims 1 to 3, wherein said adenovirus is a pseudotyped adenovirus comprising 5' and 3' adenovirus cis-elements necessary for replication and encapsidation, said cis-elements comprising an adenovirus 5' inverted terminal repeat and an adenovirus 3' inverted terminal repeat.

5. A composition comprising a virus according to any of claims 1 to 4 in a pharmaceutically acceptable carrier.

6. An adenovirus according to any one of claims 1 to 4 for use in delivering a molecule to a target cell.