PROMOTERS EXHIBITING ENDOTHELIAL CELL SPECIFICITY AND METHODS OF USING SAME FOR REGULATION OF ANGIOGENESIS

ABSTRACT

Use of a nucleic acid construct comprising an isolated polynucleotide which comprises a conditionally replicating adenovirus transcriptionally linked to an endothelial specific or peri-endothelial specific promoter for the manufacture of a medicament for treating a disease or condition associated with excessive neo-vascularization in a subject in need thereof, wherein said promoter selectively directs transcription of said adenovirus in angiogenic endothelial cells, and wherein said nucleic acid construct further comprises a nucleotide sequence encoding a suicide gene, pro-apoptotic gene or cytotoxic agent.

Figure 37