

Title (en)
RECEPTOR SPECIFIC CHIMERIC VIRAL SURFACE POLYPEPTIDES FOR VIRAL AND PARTICLE INCORPORATION AND INTERNALIZATION IN TARGET CELLS

Title (de)
REZEPTORSPEZIFISCHE, CHIMÄRE, VIRALE OBERFLÄCHENPOLYPEPTIDE FÜR DIE ÜBERTRAGUNG VON VIRALEN ODER NICHT-VIRALEN PARTIKELN IN ZIELZELLEN.

Title (fr)
POLYPEPTIDES DE LA SURFACE VIRALE, CHIMERES ET RECEPTEUR-SPECIFIQUES, POUR L'INCORPORATION ET L'INTERNALISATION DE VIRUS OU DE PARTICULES DANS DES CELLULES CIBLES

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EP 0880596 A1 19981202 (EN)

Application
EP 96946385 A 19961202

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Abstract (en)
[origin: WO9724453A1] Viral and non-viral particles can be incorporated by chimeric viral surface polypeptides that are constructed to include a portion of a viral surface polypeptide and a portion of a ligand specific for a receptor of the LDL-receptor family. Particles incorporated by the chimeras can target cells specific for the receptor type for which the chimera is designed, and can be internalized in these cells. Exemplary models of the invention include chimeras constructed with a ligand portion of a SERPIN, for example PAI-1, for targeting cells expressing uPAR bound uPA, and for forming an internalizable complex upon contact with LRP cell surface receptor. Accordingly, when the particle is internalized in the target cell, so is any genome or polynucleotide encoding a polypeptide for expression that is contained in the viral or non-viral particle. Cell specific gene therapy protocols are thereby accomplished by the invention.

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