

Title (en)
PROTEIN DELIVERY BY SECRETORY GLAND EXPRESSION

Title (de)
PROTEINPRODUKTION DURCH EXPRESSION IN SEKRETORISCHE DRÜSEN

Title (fr)
ADMINISTRATION DE PROTEINES PAR L'EXPRESSION DES GLANDES SECRETOIRES

Publication
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Application
EP 98950707 A 19980924

Priority
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• US 94293997 A 19971002

Abstract (en)
[origin: WO9917610A1] Secretory gland cells, particularly pancreatic, hepatic, and salivary gland cells, are genetically altered to operatively incorporate a gene which expresses a protein which has a desired therapeutic effect on a mammalian subject. The expressed protein is secreted directly into the bloodstream to obtain therapeutic levels of the protein thereby treating the patient in need of the protein. The transformed secretory gland cells provide long term or short term therapies for diseases associated with a deficiency in a particular protein or which are amenable to treatment by overexpression of a protein.

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A01N 43/04; **A01N 63/00**; **C12N 13/00**; **A61K 48/00**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 38/00** (2006.01); **A61K 38/16** (2006.01); **A61K 38/17** (2006.01); **A61K 38/21** (2006.01); **A61K 38/22** (2006.01); **A61K 38/27** (2006.01); **A61K 38/28** (2006.01); **A61K 38/36** (2006.01); **A61K 38/43** (2006.01); **A61K 39/395** (2006.01); **A61K 48/00** (2006.01); **A61P 3/10** (2006.01)

CPC (source: EP)
A61K 38/27 (2013.01); **A61K 38/28** (2013.01); **A61P 3/10** (2017.12); **A61K 48/00** (2013.01)

Citation (search report)
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