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WO 2003/104400 A3

(54) Title: SECRETORY SIGNAL SEQUENCES AND USES THEREOF

(57) Abstract: The present invention provides polypeptide sequences which, when fused to a heterologous polypeptide, promote secretion of the resulting chimeric protein, and uses thereof.

INTERNATIONAL SEARCH REPORT

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PCT/US03/17661

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12P 21/02 US CL : 435/69.3 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/69.3 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MEDLINE, WEST, DERWENT, CAPLUS, EPA, JPA, NPL Search terms: gD, herpes gDS-PW, variant, secret?, chimeric		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DEAN et al. Single Amino Acid Substitution in gD of Herpes Simplex Virus 1 Confer Resistance to gD-Mediated Interference and Cause Cell-Type-Dependent Alterations in Infectivity. Virology. 1994, Vol. 199, pages 67-80, see the abstract.	1-20
Y	RUX et al. Functional Region IV of Glycoprotein D from Herpes Simplex Virus Modulates Glycoprotein Binding to the Herpesvirus Entry Mediator. Journal of Virology. September 1998, Vol. 72, No. 9, pages 7091-7098, see the abstract.	1-20
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
*	Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"g" document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means	
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PCT/US03/17661

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WILLIS et al. Examination of the Kinetics of Herpes Simplex Virus Glycoprotein D Binding to the Herpesvirus Entry Mediator, Using Surface Plasmon Resonance. Journal of Virology. July 1998, Vol. 72, No. 7, pages 5937-5947, see the abstract.	1-20
Y	TERRY-ALLISON et al. Hve A (Herpesvirus Entry Mediator A), a Coreceptor for Herpes Simplex Virus Entry, also Participates in Virus-Induced Cell Fusion. Journal of Virology. July 1998, Vol. 72, No. 7, pages 5802-5810, see the abstract.	1-20
Y	HUBER et al. Herpes Simplex Virus with Highly Reduced gD Levels Can Efficiently Enter and Spread between Human Keratinocytes. Journal of Virology. November 2001, Vol. 75, No. 21, pages 10309-10318, see the abstract.	1-20
Y	JOHNSON et al. Soluble Forms of Herpes Simplex Virus Glycoprotein D bind to a Limited Number of Cell Surface Receptors and Inhibit Virus Entry into Cells. Journal of Virology. June 1990, vol.64, No.6 pages 2569-2576, see the abstract.	1-20
Y	US 5,814,486 A (COHEN et al) 29 September 1998, see the claims.	1-20