

Title (en)
EXPRESSION, PREPARATION, USES, AND SEQUENCE OF RECOMBINANTLY-DERIVED SOLUBLE HLA-G

Title (de)
EXPRESSION, HERSTELLUNG, ANWENDUNGSZWECKE UND SEQUENZ VON REKOMBINANT ERHALTENEM LÖSLICHEM HLA-G

Title (fr)
EXPRESSION, PREPARATION, UTILISATIONS ET SEQUENCE DE LA PROTEINE HLA-G SOLUBLE DERIVEE PAR RECOMBINAISON

Publication
EP 1328290 A2 20030723 (EN)

Application
EP 01973167 A 20010917

Priority
• US 0129228 W 20010917
• US 23276100 P 20000915

Abstract (en)
[origin: WO0222784A2] Methods of producing and using recombinant soluble HLA-G are provided. This recombinant soluble HLA-G alters immune responses to tissues, organs, fetuses, and embryos which are genetically distinct from the organism receiving or possessing such antigenic material. Preferably forms of this protein include sequences having at least 70 % sequence homology with naturally occurring forms of HLA-G. Specifically, each recombinant form of HLA-G produced and used by the present methods must include a sequence having at least 70 % sequence homology to intron 4 expressed by the HLA-G gene and at least one sequence having at least 70 % sequence homology to one of the alpha domains expressed by the HLA-G gene. Preferable forms of the present invention include one isoform which includes the alpha 1 domain, the alpha 2 domain, the alpha 3 domain, and intron 4, and a second isoform which includes the alpha 1 domain, the alpha 3 domain and intron 4. Still more preferably, the sequences include a purification-assisting peptide sequence and a signal peptide.

IPC 1-7
A61K 39/00; **C12P 21/06**; **C12N 5/00**; **C07K 1/00**

IPC 8 full level
C07K 14/74 (2006.01)

CPC (source: EP)
C07K 14/70539 (2013.01); **C07K 2319/02** (2013.01)

Citation (search report)
See references of WO 0222784A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0222784 A2 20020321; **WO 0222784 A3 20020606**; AU 9277301 A 20020326; CA 2425186 A1 20020321; EP 1328290 A2 20030723

DOCDB simple family (application)
US 0129228 W 20010917; AU 9277301 A 20010917; CA 2425186 A 20010917; EP 01973167 A 20010917