

Title (en)

FLEA HEAD, NERVE CORD, HINDGUT AND MALPIGHIAN TUBULE NUCLEIC ACID MOLECULES, PROTEINS AND USES THEREOF

Title (de)

NUKLEINSÄUREMOLEKÜLE UND PROTEINE DES KOPFS, NERVENSTRANGS, HINTERDARMS UND MALPIGHISCHEN GEFÄSSES DES FLOHS, SOWIE DEREN VERWENDUNG

Title (fr)

MOLECULES D'ACIDES NUCLEIQUES ET PROTEINES ISSUES DE LA TETE, DE LA MOELLE EPINIERE, DE L'INTESTIN POSTERIEUR ET DU TUBE DE MALPIGHI DE PUCES ET UTILISATIONS CORRESPONDANTES

Publication

EP 1578911 A2 20050928 (EN)

Application

EP 02784031 A 20021004

Priority

- US 0231878 W 20021004
- US 32834701 P 20011010

Abstract (en)

[origin: WO03031577A2] The present invention relates to flea head, nerve cord, hindgut and Malpighian tubule proteins; to flea head, nerve cord, hindgut and Malpighian tubule nucleic acid molecules, including those that encode such flea head, nerve cord, hindgut and Malpighian tubule proteins; to antibodies raised against such flea head, nerve cord, hindgut and Malpighian tubule proteins; and to compounds that inhibit flea head, nerve cord, hindgut and Malpighian tubule protein activity. The present invention also includes methods to obtain such proteins, nucleic acid molecules, antibodies, and inhibitory compounds. Also included in the present invention are therapeutic compositions comprising proteins, nucleic acid molecules, antibodies, or protective compounds derived from proteins of the present invention as well as the use of such therapeutic compositions to protect animals from flea infestation. Also included in the present invention is the use of flea head, nerve cord, hindgut and Malpighian tubule proteins to derive inhibitory compounds.

IPC 1-7

C12N 1/00

IPC 8 full level

G01N 33/50 (2006.01); **C07K 14/435** (2006.01); **C07K 16/18** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12P 21/02** (2006.01); **G01N 33/15** (2006.01); **G01N 33/53** (2006.01); **G01N 33/566** (2006.01)

CPC (source: EP)

C07K 14/4359 (2013.01)

Citation (search report)

See references of WO 03031577A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03031577 A2 20030417; CA 2462873 A1 20030417; EP 1578911 A2 20050928; JP 2005512520 A 20050512

DOCDB simple family (application)

US 0231878 W 20021004; CA 2462873 A 20021004; EP 02784031 A 20021004; JP 2003534548 A 20021004