

Title (en)

MCP-1 MUTANT PROTEINS, ANTIBODIES, COMPOSITIONS, METHODS AND USES

Title (de)

MUTANTE MCP-1-PROTEINE, ANTIKÖRPER, ZUSAMMENSETZUNGEN, VERFAHREN UND VERWENDUNGEN

Title (fr)

PROTEINES DE MUTANTS DE MCP-1, ANTICORPS, COMPOSITIONS, PROCEDES ET UTILISATIONS

Publication

**EP 1497423 A4 20060524 (EN)**

Application

**EP 03721448 A 20030324**

Priority

- US 0309056 W 20030324
- US 36793202 P 20020326

Abstract (en)

[origin: WO03083059A2] The present invention relates to at least one novel MCP-1 mutant proteins, antibodies, including isolated nucleic acids that encode at least one MCP-1 mutant protein or antibody, MCP-1 mutant vectors, host cells, transgenic animals or plants, and methods of making and using thereof, including herapeutic compositions, methods and devices.

IPC 1-7

**C12N 15/09**; **C12N 1/20**; **C12N 15/00**; **C07K 1/00**; **C07H 21/04**; **A61K 39/00**

IPC 8 full level

**C07K 14/52** (2006.01); **C07K 16/24** (2006.01); **C12N 15/00** (2006.01)

CPC (source: EP)

**C07K 14/523** (2013.01); **C07K 16/24** (2013.01); **A61K 2039/505** (2013.01)

Citation (search report)

- [A] JARNAGIN KURT ET AL: "Identification of surface residues of the monocyte chemotactic protein 1 that affect signaling through the receptor CCR2", BIOCHEMISTRY, vol. 38, no. 49, 7 December 1999 (1999-12-07), pages 16167 - 16177, XP002336958, ISSN: 0006-2960
- [T] KRUSZYNSKI MARIAN ET AL: "Synthesis and biological characterization of human monocyte chemoattractant protein 1 (MCP-1) and its analogs", JOURNAL OF PEPTIDE SCIENCE, vol. 12, no. 1, January 2006 (2006-01-01), pages 25 - 32, XP002373882, ISSN: 1075-2617
- See references of WO 03083059A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03083059 A2 20031009**; **WO 03083059 A3 20041007**; AU 2003224761 A1 20031013; AU 2003224761 A8 20031013;  
EP 1497423 A2 20050119; EP 1497423 A4 20060524

DOCDB simple family (application)

**US 0309056 W 20030324**; AU 2003224761 A 20030324; EP 03721448 A 20030324