

Title (en)
HUMAN INTERLEUKIN-4 MUTEINS.

Title (de)
MUTEINE DES HUMANEN INTERLEUKIN-4.

Title (fr)
MUTEINES D'INTERLEUKINE-4 HUMAINE.

Publication
EP 0335900 A1 19891011 (EN)

Application
EP 88900410 A 19871204

Priority
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Abstract (en)
[origin: WO8804667A1] Recombinant biologically active human IL-4 (rhIL-4) mutant analog proteins in which N-linked glycosylation sites have been inactivated.

Abstract (fr)
Protéines analogues recombinantes humaines mutantes biologiquement actives IL-4 (rhIL-4) dans lesquelles les sites de glycosylation à liaison N ont été inactivés.

IPC 1-7
A61K 37/00; C07K 13/00; C12N 1/00; C12N 15/00; C12P 21/00; C12P 21/02

IPC 8 full level
A61K 35/14 (2006.01); **A61K 38/00** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **C07K 1/20** (2006.01); **C07K 14/395** (2006.01); **C07K 14/52** (2006.01); **C07K 14/54** (2006.01); **C12N 15/09** (2006.01); **C12P 21/02** (2006.01); **G10L 15/06** (2013.01); **G10L 15/10** (2006.01); **C12R 1/865** (2006.01)

CPC (source: EP US)
A61K 39/461 (2023.05 - EP US); **A61K 39/4635** (2023.05 - EP US); **A61K 39/4644** (2023.05 - EP US); **A61P 31/12** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **C07K 14/395** (2013.01 - EP); **C07K 14/5406** (2013.01 - EP); **C12N 5/0636** (2013.01 - EP US); **G10L 15/063** (2013.01 - EP); **A61K 38/00** (2013.01 - EP); **C07K 2319/02** (2013.01 - EP); **C12N 2501/2302** (2013.01 - EP); **C12N 2501/2304** (2013.01 - EP)

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US 8703114 W 19871204; AU 1055988 A 19871204; EP 88900410 A 19871204