

Title (en)
TRANS-SIALIDASE AND METHODS OF USE AND MAKING THEREOF

Publication
EP 0586687 A4 19960417 (EN)

Application
EP 93908615 A 19930325

Priority
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• US 97385192 A 19921110

Abstract (en)
[origin: WO9318787A1] Polypeptides are provided having trans-sialidase enzymatic activity in substantially pure form, nucleic acids coding therefor, antibodies specific for such polypeptides, processes for producing the enzyme and methods of use of the enzyme, in particular for the synthesis of sialyl alpha (2->3)-linked saccharides, glycoproteins and glycolipids. Such enzymes are isolatable as nucleic acid or amino acid sequences from parasites of the genus Trypanosoma.

IPC 1-7
A61K 37/52; **A61K 39/005**; **A61K 39/395**; **C07H 21/02**; **C07H 21/04**; **C07K 3/18**; **C07K 13/00**; **C12N 5/10**; **C12N 9/10**; **C12N 15/30**; **C12Q 1/48**

IPC 8 full level
C07H 3/06 (2006.01); **C07H 13/04** (2006.01); **C07H 15/04** (2006.01); **C07H 15/10** (2006.01); **C07K 16/12** (2006.01); **C07K 16/20** (2006.01); **C07K 16/40** (2006.01); **C12N 9/10** (2006.01); **C12N 15/30** (2006.01); **C12P 19/00** (2006.01); **C12P 21/00** (2006.01); **A61K 39/00** (2006.01)

CPC (source: EP US)
C07H 3/06 (2013.01 - EP); **C07H 13/04** (2013.01 - EP); **C07H 15/04** (2013.01 - EP); **C07H 15/10** (2013.01 - EP); **C07K 16/12** (2013.01 - EP); **C07K 16/20** (2013.01 - EP); **C07K 16/40** (2013.01 - EP); **C12N 9/1081** (2013.01 - EP); **C12P 19/00** (2013.01 - EP); **C12P 21/005** (2013.01 - EP); **A61K 39/00** (2013.01 - EP US); **Y02A 50/30** (2018.01 - EP)

Citation (search report)
[PX] UEMURA ET AL.: "Only some members of a gene family in Trypanosoma cruzi encode proteins that express both trans-sialidase and neuraminidase activities", EMBO J., vol. 11, no. 11, pages 3837 - 3844, XP000619020

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US 9302869 W 19930325; AU 3937593 A 19930325; EP 93908615 A 19930325