

Title (en)  
TUMOR NECROSIS ENHANCING FACTOR AND METHODS OF PREPARATION AND USE

Publication  
**EP 0378676 A4 19910116 (EN)**

Application  
**EP 89908921 A 19890714**

Priority  
US 21965088 A 19880715

Abstract (en)  
[origin: WO9000400A1] Factors that act synergistically with tumor necrosis factor (TNF) to induce the expression of tissue factor (thromboplastin or Factor III) in endothelial cells have been isolated. Both protein factors are derived from mouse meth A sarcoma cells. The first is characterized by a molecular weight of 40-50 KDA under non-reducing conditions and 65-75 kDA under reducing conditions and isoelectric points of 6.8 and 7.2. Further characterization includes: loss of activity when treated with protease K, elution from Heparin-Sepharose at 0.5 M NaCl, binding to a reverse phase FPLC-ProRPC column, elution from the reverse phase FPLC-ProRPC column in an ascending methanol gradient at about 50 %, migration as a single band on an SDS-polyacrylamide gel and adsorption to Concanavalin A-Sepharose. The second factor has a molecular weight of 10-30 KDa by gel filtration, loss of activity when treated with trypsin, heat sensitive, elutes from Heparin Ultrogel at 0.5 M NaCl, binds to a Mono Q column and is eluted off in an ascending salt gradient at 0.4 M NaCl.

IPC 1-7  
**A61K 37/02**; **C07K 15/04**

IPC 8 full level  
**C12N 15/09** (2006.01); **A61K 38/00** (2006.01); **A61K 45/06** (2006.01); **A61P 35/00** (2006.01); **C07K 1/20** (2006.01); **C07K 1/22** (2006.01); **C07K 14/005** (2006.01); **C07K 14/195** (2006.01); **C07K 14/52** (2006.01); **C07K 14/525** (2006.01); **C12P 21/00** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)  
**A61P 35/00** (2017.12); **C07K 14/52** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)  
See references of WO 9000400A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**WO 9000400 A1 19900125**; AU 4034889 A 19900205; AU 630106 B2 19921022; EP 0378676 A1 19900725; EP 0378676 A4 19910116; JP H03501620 A 19910411

DOCDB simple family (application)  
**US 8903108 W 19890714**; AU 4034889 A 19890714; EP 89908921 A 19890714; JP 50842189 A 19890714