

Title (en)
E2-EPF5, A NOVEL THERAPEUTIC PROTEIN AND TARGET

Title (de)
E2-EPF5, EIN NEUES THERAPEUTISCHES PROTEIN UND ZIEL

Title (fr)
E2-EPF5, UNE NOUVELLE PROTEINE THERAPEUTIQUE ET CIBLE

Publication
EP 1802343 A2 20070704 (EN)

Application
EP 05810594 A 20051012

Priority
• US 2005036505 W 20051012
• US 61890704 P 20041014

Abstract (en)
[origin: WO2006044366A2] The present invention relates to novel uses for ubiquitin conjugating enzyme E2-EPF5. In particular, inhibition of E2-EPF5 activity is shown to reduce the production VEGF, as well as other proteins regulated the transcription factor HIF-1, in response to hypoxia. Based on these findings the present invention provides therapeutic methods and pharmaceutical compositions useful for the treatment of diseases related VEGF induced angiogenesis. In addition, E2-EPF5 is provided as target for the development of therapeutics. Accordingly, the invention provides screening methods for identifying candidate compounds that inhibit E2-EPF5 activity and may therefore be used to treat VEGF induced angiogenesis such as tumor related angiogenesis. Finally, the invention also provides methods for the inhibition of VEGF and other HIF-1 regulated proteins.

IPC 8 full level
A61K 39/395 (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP KR)
A61K 31/7105 (2013.01 - KR); **A61K 39/395** (2013.01 - KR); **A61P 1/16** (2017.12 - EP); **A61P 17/06** (2017.12 - EP); **A61P 19/02** (2017.12 - EP); **A61P 27/02** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07K 16/40** (2013.01 - EP); **C12N 15/1137** (2013.01 - EP); **C12Y 603/02019** (2013.01 - EP); **G01N 33/50** (2013.01 - KR); **C12N 2310/11** (2013.01 - EP); **C12N 2310/14** (2013.01 - EP); **C12N 2310/315** (2013.01 - EP); **C12N 2310/321** (2013.01 - EP); **C12N 2310/3341** (2013.01 - EP); **C12N 2310/341** (2013.01 - EP); **C12N 2310/346** (2013.01 - EP)

Citation (search report)
See references of WO 2006044366A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
WO 2006044366 A2 20060427; WO 2006044366 A3 20070104; AU 2005295863 A1 20060427; BR PI0518132 A 20081028; CA 2580883 A1 20060427; CN 101039694 A 20070919; EP 1802343 A2 20070704; JP 2008516953 A 20080522; KR 20070083640 A 20070824; RU 2007117771 A 20081127

DOCDB simple family (application)
US 2005036505 W 20051012; AU 2005295863 A 20051012; BR PI0518132 A 20051012; CA 2580883 A 20051012; CN 200580035349 A 20051012; EP 05810594 A 20051012; JP 2007536798 A 20051012; KR 20077008125 A 20070410; RU 2007117771 A 20051012