

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

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Application

**EP 05810594 A 20051012**

Priority

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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

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