Reviewer's report

**Title:** The synthetic peptide P111-136 derived from the C-terminal domain of heparin affin regulatory peptide inhibits tumour growth of prostate cancer PC-3 cells

**Version:** 1 **Date:** 13 April 2011

**Reviewer:** anna riccioli

**Reviewer's report:**

Comment to the Authors:

The Western blot added to Fig.1 (Fig.1A) is not so convincing.

The reply to the major comment 3a is quite superficial. In this revised version the Authors showed that the previously described P122-131 peptide is less effective on growth inhibition of PC3 than of DU145 and LNCaP cells but the explanation or even a comment of this data need to be more carefully documented... I haven’t found out in the literature that ALK receptor is absent in DU145 and LNCaP cells. The possible explanation of different effects for two similar peptide on three different prostate tumour cell lines was not investigated at all.

Minor comments:

(Sven Christian et al, J Cell Biol 2003): this reference is cited at pag. 13 but it cannot be found in the list of references.

**Level of interest:** An article of limited interest

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests