Reviewer's report

Title: Plexin-B1 silencing inhibits ovarian cancer cell migration and invasion

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Reviewer: Luca Tamagnone

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In this work, Ye and co-workers posed a well defined question, whether Plexin-B1 silencing may affect ovarian cancer cell behaviour. The experimental data are sound and convincingly indicate that Plexin-B1 knock down in the analyzed cells leads to inhibition of basal cell migration and invasive ability in vitro. As the Authors state in their response to reviewers, the present data are preliminary to future studies. In my opinion, the relevance of this study is dramatically reduced due lack of experiments analyzing responses to Plexin-B1 ligand Sema4D, and complete lack of novel mechanistic insights to explain the described activities.

Minor Essential Revisions:

* I can still find English writing mistakes. The text would benefit from further editorial revision.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

'I declare that I have no competing interests'