Reviewer’s report

Title: Inhibitory short peptides targeting EPS8/ABI1/SOS1 tri-complex suppress invasion and metastasis of ovarian cancer cells

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Reviewer: Benjamin Benzon

Reviewer's report:

A methodologically sound and very good paper which deals with development of cell migration/invasion inhibitory peptides.

Molecular part of study is very well designed and results look credible. However, my suggestion would be that result of each experiment that involves blotting on gel should be quantified in some kind of image analysis software (e.g. ImageJ) followed by statistical analysis and graphs.

In vivo part of study is also well designed and results are impressive. These results might imply, at least theoretically, that peptides used to treat mice might also have some kind of cytotoxic effect in addition to anti metastatic effect. So I would like to suggest to authors to either address this in Discussion subsection of manuscript or to do in vitro cytotoxicity experiment with peptides and cell lines used in mice.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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