Reviewer's report

Title: MicroRNA-363 targets myosin 1B to reduce cellular migration in head and neck cancer

Version: 9  Date: 22 July 2015

Reviewer: Chia Jui Yen

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Comments to the Author

The study “MicroRNA-363 targets myosin 1B to reduce cellular migration in head and neck cancer” is an interesting study, and the experiments were well-planned. However, there are several points that require further investigation.

Major comments

1. The authors found that MiR-363 was found to be overexpressed in HPV-positive compared to the HPV-negative SCCHN tumors and luciferase reporter assays performed in HPV-negative JHU028 cells confirmed that miR-363 targets one of its two potential binding sites in the 3’UTR of MYO1B. MYO1B mRNA and protein levels were reduced upon miR-363 overexpression in four HPV-negative SCCHN cell lines, but how about the effect of miR-363 targeting on MYO1B in HPV-positive SCCHN cell lines?

2. For strengthening the relationship between MiR-36 and MYO1B, comparison of expression of MiR-36 and MYO1B between primary tumor and metastatic lymph node is highly recommended.

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

'I declare that I have no competing interests'