Reviewer's report

**Title:** The role of a new CD44 variant in increasing invasion capability to human breast cancer cell line MCF-7

**Version:** 2  **Date:** 7 April 2010

**Reviewer:** David Naor

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The findings are important, original and informative, but major revision is required before publication.

1. Fig 7. Statistical P values should be inserted either into the figure itself or into the figure legend. In either case, it is not clear how significance can be reached with so large variations?

2. Fig 8. p-erk blotting. The claim that HA stimulation activates erk phosphorylation is not convincing, as there is no much difference in the signaling intensity between positive HA stimulation of the cells and lack of HA stimulation (the first and the second bands on erk blotting). A better representative Fig 8 (in which the difference is clearer) should be again sent to the editor.

3. Detailed discussion on the possible linkage between CD44v18 and multidrug resistance (MDR) gene should be included in the Discussion Section.

4. English must be edited.