Reviewer’s report

Title: Knockdown of autophagy-related protein 5, ATG5, decreases oxidative stress and has an opposing effect on camptothecin-induced cytotoxicity in osteosarcoma cells.

Version: 1 Date: 27 August 2013

Reviewer: Stan G Louie

Reviewer’s report:

This paper evaluated the impact of knockdown of ATG5 in relation to camptothecin-induced toxicity. To evaluate this, the authors use osteosarcoma cells, where knockdown of ATG5 have variable results. Autophagy inhibition caused a decrease in cellular metabolism and growth in K7M3 cells as compared to the other mutation found on DLM8. Authors found an increase basal autophagy level in the K7M3, when compared to the DLM8 or non-transformed cells.

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

Quality of written English: Not suitable for publication unless extensively edited

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

Declaration of competing interests: No conflicts