Reviewer's report

Title: Kaliziri extract up regulates Tyrosinase, TRP-1 and TRP-2 and MITF expression in Murine B16 Melanoma Cells

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Reviewer: Masaru Toriyama

Reviewer's report:

Minor Essential Revisions

I think the study in your manuscript is very interesting. I can agree that the manuscript would be accepted. But one minor revision is necessary for acceptance.

In "Results and discussion", you described the effect of KZE on tyrosinase activity and melanin synthesis in B16 cells. The result showed that melanin levels were increased by KZE treatment. But the result did not show that KZE activated the enzyme (tyrosinase) directly. If you want to show that KZE activates tyrosinase, you should measure in vitro using the mixture containing L-DOPA, KZE and the extract of B-16 cells including tyrosinase. Or you should use mushroom tyrosinase.

I don't think the in vitro tyrosinase assay is necessary. But you had better revise the paragraph described about the effect of KZE on tyrosinase.

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