Reviewer's report

Title: Sry Delivery to the Adrenal Medulla Increases Blood Pressure and Adrenal Medullary Tyrosine Hydroxylase of Normotensive WKY Rats

Version: 1 Date: 12 January 2007

Reviewer: Toshio Kumai

Reviewer's report:

General
This article studied that Sry gene transfection to normotensive WKY was increasing blood pressure by activating tyrosine hydroxylase. Almost data is interesting. Some questions rise about some points. The reviewer has following concerns.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Major points
1. Authors show Sry gene transfected to adrenal of WKY. However, Sry gene may be not activating tyrosine hydroxylase directly. Perhaps, it is consider that the produced-protein by Sry gene act to activation of tyrosine hydroxylase (e.g., as a transcriptional factor). Therefore, Sry gene related protein would be better mentioned in discussion. And, what promoter gene inserted in vector?

2. Sry gene was increasing norepinephrine level, but not epinephrine level. The possibility of this mechanism would be better discussed in discussion.

3. The next experiment should be study about the localization of Sry in adrenal by immunohistochemical study.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after discretionary revisions

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