Reviewer’s report

Title: The asthma candidate gene NPSR1 mediates isoform specific downstream signalling

Version: 3 Date: 8 April 2011

Reviewer: Alex Therien

Reviewer’s report:

This manuscript is much improved from the first version. The statistical analysis demonstrates that the differences between NPSR-A and -B are real and the complete overlap in the FACS curves shows that expression of the two isoforms is comparable even upon NPS-stimulation. I have only minor question, but otherwise the manuscript is acceptable for publication.

Discretionary revisions:

On page 14 the authors claim that the EC50 is 100 nM for all genes except CGA (for which the EC50 is claimed to be 10 nM), but the data for CGA in Table 2 and in the graph in Fig 3b does not support this. The EC50 calculated from Table 2 is 45 nM and estimated from Fig 3b is around 100 nM.

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