

OPEN PEER REVIEW REPORT 2

Name of journal: Neural Regeneration Research

Manuscript NO: NRR-D-20-00698

Title: PSGF Protects Cultured Hippocampal Neurons against Glutamate-induced Cytotoxicity via regulating NMDA receptors

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COMMENTS TO AUTHORS

The work is well conceived and carried out. However, there are some issues that must be taken care of prior to its publication.

- The sources of all the reagents and materials used in the must be mentioned
- A list of the abbreviations used should be helpful (e.er. what is "PI"?)
- p. 8, line 47: how the toxicity of PSGF by itself was determined should be mentioned in the Materials & Methods
- p. 9, lines 42-44: how the absence of extracellular Ca²⁺ was technically obtained should be specified in the Materials and Methods
- Regarding the potential therapeutic applications, can the PGSF doses used be actually reached in the hippocampus of a living organism (animal or human)?