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(54) **CELL-PENETRATING FUSION PROTEIN FOR REGENERATING OR PROLIFERATING STEM CELL**

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(65) **Prior Publication Data**

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(30) **Foreign Application Priority Data**

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(58) **Field of Classification Search**

None  
See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a cell permeable fusion protein for strengthening regenerative potential of stem cells, and more particularly to a cell permeable fusion protein for strengthening regenerative potential of stem cells for stimulating the differentiation of stem cells, inhibiting apoptosis, maintaining the functionality of stem cells and restoring the stress-inhibited functionality of stem cells.

**11 Claims, 5 Drawing Sheets**