

CLAIMS

1. Use of a composition comprising any one of:
 - (a) an S100A8 protein;
 - 5 (b) a cell that secretes an S100A8 protein;
 - (c) a vector into which a DNA encoding an S100A8 protein is inserted;
 - (d) an S100A9 protein;
 - (e) a cell that secretes an S100A9 protein;
 - (f) a vector into which a DNA encoding an S100A9 protein is inserted;
 - 10 (g) a cell or tissue extract, wherein the cell or tissue extract is produced by a method comprising the step of immersing a cell or tissue in a solvent; and
 - (h) a heparin-binding fraction of a cell or tissue extract, wherein the heparin-binding fraction of the cell or tissue extract is produced by a method comprising the steps of:
 - 15 (a) immersing a cell or tissue in a solvent;
 - (b) contacting immobilized heparin with the extract prepared in step (a); and
 - (c) eluting a heparin-binding fraction from the immobilized heparin;

wherein the cell or tissue to be immersed in a solvent is selected from the group consisting of tissue-derived cells, cells of cell lines established from tissue-derived

20 cells, and cells transfected with DNA encoding HMGB1, HMGB2, HMGB3, S100A8, or S100A9 protein, live skin tissues and tissues obtained by internal biopsy (surgery),

in the manufacture of an agent for regenerating tissue, wherein the agent is to be administered to a tissue other than a tissue in need of regeneration.
- 25 2. The use of claim 1, wherein the agent is to be administered parenterally.
3. The use of claim 2, wherein the administration is injection.
4. The use of claim 1, wherein the agent is to be administered intravascularly,
- 30 intramuscularly, subcutaneously, intradermally, or intraperitoneally.
5. The use of any one of claims 1 to 4, wherein the agent is an agent for promoting the regeneration of a nerve, bone, or skin tissue.