

CLAIMS

1. An agent for mobilizing a bone marrow mesenchymal stem cell to peripheral blood from bone marrow, which is administered to blood vessel or muscle, and which comprises the component of
5 any one of:

- (a) an HMGB1 protein;
- (b) a cell that secretes an HMGB1 protein;
- (c) a vector inserted with a DNA encoding an HMGB1 protein;
- (d) an HMGB2 protein;
- 10 (e) a cell that secretes an HMGB2 protein;
- (f) a vector inserted with a DNA encoding an HMGB2 protein;
- (g) an HMGB3 protein;
- (h) a cell that secretes an HMGB3 protein; and
- (i) a vector inserted with a DNA encoding an HMGB3 protein.

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2. Use of any one of the following substances (a) to (i) in the production of an agent for mobilizing a bone marrow mesenchymal stem cell to peripheral blood from bone marrow, which is to be administered to blood vessel or muscle:

- (a) an HMGB1 protein;
- 5 (b) a cell that secretes an HMGB1 protein;
- (c) a vector inserted with a DNA encoding an HMGB1 protein;
- (d) an HMGB2 protein;
- (e) a cell that secretes an HMGB2 protein;
- (f) a vector inserted with a DNA encoding an HMGB2 protein;
- 10 (g) an HMGB3 protein;
- (h) a cell that secretes an HMGB3 protein; and
- (i) a vector inserted with a DNA encoding an HMGB3 protein.

3. The substance of any one of:

- (a) an HMGB1 protein;
- (b) a cell that secretes an HMGB1 protein;
- (c) a vector inserted with a DNA encoding an HMGB1 protein;

5 (d) an HMGB2 protein;

(e) a cell that secretes an HMGB2 protein;

(f) a vector inserted with a DNA encoding an HMGB2 protein;

(g) an HMGB3 protein;

(h) a cell that secretes an HMGB3 protein; and

10 (i) a vector inserted with a DNA encoding an HMGB3 protein;

which is used in a method for mobilizing a bone marrow mesenchymal stem cell to peripheral blood from bone marrow, which is to be administered to blood vessel or muscle.

CLAIMS

1. Use of any one of the following substances (a) to (i) in the production of an agent for mobilizing a bone marrow mesenchymal stem cell to peripheral blood from bone marrow, which
5 is to be administered to blood vessel or muscle:
- (a) an HMGB1 protein;
 - (b) a cell that secretes an HMGB1 protein;
 - (c) a vector inserted with a DNA encoding an HMGB1 protein;
 - (d) an HMGB2 protein;
 - 10 (e) a cell that secretes an HMGB2 protein;
 - (f) a vector inserted with a DNA encoding an HMGB2 protein;
 - (g) an HMGB3 protein;
 - (h) a cell that secretes an HMGB3 protein; and
 - (i) a vector inserted with a DNA encoding an HMGB3 protein.