US009914758B2

(12) **United States Patent**
Scher et al.

(10) **Patent No.: US 9,914,758 B2**
(45) **Date of Patent: *Mar. 13, 2018**

(54) **METHODS AND COMPOSITIONS COMPRISING HUMAN RECOMBINANT GROWTH AND DIFFERENTIATION FACTOR-5 (RHGDF-5)**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **15/388,990**

(22) Filed: **Dec. 22, 2016**

(65) **Prior Publication Data**

US 2017/0101450 A1 Apr. 13, 2017

Related U.S. Application Data

(60) Continuation of application No. 14/610,590, filed on Jan. 30, 2015, now Pat. No. 9,540,429, which is a division of application No. 13/750,436, filed on Jan. 25, 2013, now Pat. No. 8,945,872.

(51) **Int. Cl.**
C12N 1/21 (2006.01)
C07K 14/51 (2006.01)
C07K 14/475 (2006.01)

(52) **U.S. Cl.**
CPC ***C07K 14/51*** (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

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Primary Examiner — Elizabeth C. Kemmerer

(57) **ABSTRACT**

Expression vector systems are provided for increased production of a recombinant GDF-5 (rhGDF-5) protein. Also provided are transformed host cells that were engineered to produce and express high levels of rhGDF-5 protein. Methods for production and high expression of rhGDF-5 protein are disclosed herein. The methods of enhancing production and protein expression of rhGDF-5 protein as disclosed are cost-effective, time-saving and are of manufacturing quality.

12 Claims, 24 Drawing Sheets