Accepted Manuscript

Full length article

Revised Date:

Accepted Date:

Histone-Targeted Gene Transfer of Bone Morphogenetic Protein-2 Enhances Mesenchymal Stem Cell Chondrogenic Differentiation

Erik V. Munsell, Deepa S. Kurpad, Theresa A. Freeman, Millicent O. Sullivan

PII: DOI: Reference:	S1742-7061(18)30092-8 https://doi.org/10.1016/j.actbio.2018.02.021 ACTBIO 5326
To appear in:	Acta Biomaterialia
Received Date:	2 November 2017

13 February 2018

20 February 2018



Please cite this article as: Munsell, E.V., Kurpad, D.S., Freeman, T.A., Sullivan, M.O., Histone-Targeted Gene Transfer of Bone Morphogenetic Protein-2 Enhances Mesenchymal Stem Cell Chondrogenic Differentiation, *Acta Biomaterialia* (2018), doi: https://doi.org/10.1016/j.actbio.2018.02.021

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Histone-Targeted Gene Transfer of Bone Morphogenetic

Protein-2 Enhances Mesenchymal Stem Cell

Chondrogenic Differentiation

Erik V. Munsell^a, Deepa S. Kurpad^b, Theresa A. Freeman^b, and Millicent O. Sullivan^a

^aDepartment of Chemical and Biomolecular Engineering, University of Delaware, 150 Academy Street, Newark, DE 19716 United States of America Erik V. Munsell email: emunsell@udel.edu Millicent O. Sullivan email: msullivan@udel.edu

^bDepartment of Orthopedic Surgery, Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, PA 19107 United States of America Deepa S. Kurpad email: deepa.kurpad@jefferson.edu Theresa A. Freeman email: theresa.freeman@jefferson.edu

*Correspondence should be addressed to M.O.S.

Department of Chemical & Biomolecular Engineering University of Delaware 150 Academy St. Newark, DE 19716 msullivan@udel.edu +1-302-831-8072 (p) +1-302-831-1048 (f) Download English Version:

https://daneshyari.com/en/article/6482953

Download Persian Version:

https://daneshyari.com/article/6482953

Daneshyari.com