

## Accepted Manuscript

Title: Chitosan Polyplex Nanoparticle Vector for miR-145  
Expression in MCF-7: Optimization by Design of Experiment

Author: Farnaz Sadat Mirzazadeh Tekie Fatemeh Atyabi  
Masoud Soleimani Ehsan Arefian Amir Atashi Melika Kiani  
Mohammad Reza Khoshayand Mohsen Amini Rassoul  
Dinarvand



PII: S0141-8130(15)00629-7  
DOI: <http://dx.doi.org/doi:10.1016/j.ijbiomac.2015.09.014>  
Reference: BIOMAC 5350

To appear in: *International Journal of Biological Macromolecules*

Received date: 9-6-2015  
Revised date: 11-8-2015  
Accepted date: 8-9-2015

Please cite this article as: F.S.M. Tekie, F. Atyabi, M. Soleimani, E. Arefian, A. Atashi, M. Kiani, M.R. Khoshayand, M. Amini, R. Dinarvand, Chitosan Polyplex Nanoparticle Vector for miR-145 Expression in MCF-7: Optimization by Design of Experiment, *International Journal of Biological Macromolecules* (2015), <http://dx.doi.org/10.1016/j.ijbiomac.2015.09.014>

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.

## **Chitosan Polyplex Nanoparticle Vector for miR-145 Expression in MCF-7: Optimization by Design of Experiment**

Farnaz Sadat Mirzazadeh Tekie<sup>a</sup>, Fatemeh Atyabi<sup>a,b</sup>, Masoud Soleimani<sup>c,d</sup>, Ehsan Arefian<sup>c</sup>, Amir Atashi<sup>d</sup>,  
Melika Kiani<sup>a</sup>, Mohammad Reza Khoshayand<sup>e</sup>, Mohsen Amini<sup>f</sup>, Rassoul Dinarvand<sup>b</sup>

<sup>a</sup>Department of Pharmaceutics, Faculty of Pharmacy, Tehran University of Medical Sciences, P.O. Box 14155-6451, Tehran, Iran;

<sup>b</sup>Nanotechnology Research centre, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran

<sup>c</sup>Department of Molecular Biology and Genetic Engineering, Stem Cell Technology Research center, P.O. Box 14155-3174, Tehran, Iran;

<sup>d</sup>Department of Hematology, School of Medical Sciences, Tarbiat Modares University, *P.O. Box*: 14115-111, Tehran, Iran;

<sup>e</sup>Department of Drug & Food Control, Faculty of Pharmacy, Tehran University of Medical Sciences, P.O. Box 14155-6451, Tehran, Iran;

<sup>f</sup>Department of Chemical Medicine, Faculty of Pharmacy, Tehran University of Medical Sciences, P.O. Box 14155-6451, Tehran, Iran

Corresponding author: F. Atyabi, [atyabifa@tums.ac.ir](mailto:atyabifa@tums.ac.ir)

Tel & Fax: +98 21 66959052

Download English Version:

<https://daneshyari.com/en/article/8330787>

Download Persian Version:

<https://daneshyari.com/article/8330787>

[Daneshyari.com](https://daneshyari.com)