

## Author's Accepted Manuscript

Mechanical elasticity of proline-rich and hydroxyproline-rich collagen-like triple-helices studied using steered molecular dynamics

Avrin Ghanaeian, Reza Soheilifard



PII: S1751-6161(18)30773-2  
DOI: <https://doi.org/10.1016/j.jmbbm.2018.06.021>  
Reference: JMBBM2842

To appear in: *Journal of the Mechanical Behavior of Biomedical Materials*

Received date: 24 December 2017  
Revised date: 10 June 2018  
Accepted date: 15 June 2018

Cite this article as: Avrin Ghanaeian and Reza Soheilifard, Mechanical elasticity of proline-rich and hydroxyproline-rich collagen-like triple-helices studied using steered molecular dynamics, *Journal of the Mechanical Behavior of Biomedical Materials*, <https://doi.org/10.1016/j.jmbbm.2018.06.021>

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 galley proof before it is published in its final citable 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.

Mechanical elasticity of proline-rich and hydroxyproline-rich collagen-like triple-helices studied using steered molecular dynamics

Avrin Ghanaeian<sup>a1</sup>, Reza Soheilifard<sup>b\*</sup>

<sup>a</sup>Affiliation: Department of Mechanical Engineering, Hakim Sabzevari University, Sabzevar, Iran

<sup>b</sup>Affiliation: Department of Mechanical Engineering, Hakim Sabzevari University, Sabzevar, Iran

Email: a.ghanayian@sun.hsu.ac.ir

Email: r.soheilifard@hsu.ac.ir

\*Corresponding author. Tell: +985144012817

---

<sup>1</sup> Tell: +989019076708

Download English Version:

<https://daneshyari.com/en/article/7206892>

Download Persian Version:

<https://daneshyari.com/article/7206892>

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