

Accepted Manuscript

ING5 inhibits cell proliferation and invasion in esophageal squamous cell carcinoma through regulation of the Akt/NF- κ B/MMP-9 signaling pathway

Guang-Jing Zhang, Jing Zhao, Mei-Ling Jiang, Lu-Chang Zhang



PII: S0006-291X(18)30051-2

DOI: [10.1016/j.bbrc.2018.01.045](https://doi.org/10.1016/j.bbrc.2018.01.045)

Reference: YBBRC 39218

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 26 December 2017

Accepted Date: 7 January 2018

Please cite this article as: G.-J. Zhang, J. Zhao, M.-L. Jiang, L.-C. Zhang, ING5 inhibits cell proliferation and invasion in esophageal squamous cell carcinoma through regulation of the Akt/NF- κ B/MMP-9 signaling pathway, *Biochemical and Biophysical Research Communications* (2018), doi: 10.1016/j.bbrc.2018.01.045.

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.

ING5 inhibits cell proliferation and invasion in esophageal squamous cell carcinoma through regulation of the Akt/NF- κ B/MMP-9 signaling pathway

Guang-Jing Zhang ^{1, &}, Jing Zhao ^{2, &}, Mei-Ling Jiang ³, Lu-Chang Zhang ^{1, *}

¹ Department of Thoracic Surgery, Jining No. 1 People's Hospital, Jining 272000, Shandong Province, China.

² Department of Traditional Chinese Medicine, Yidu Central Hospital, Weifang 262500, Shandong Province, China.

³ Department of Cardiology, Jining No. 1 People's Hospital, Jining 272000, Shandong Province, China.

[&] These authors contributed equally to this work.

^{*} Corresponding author: Lu-Chang Zhang

Department of Thoracic Surgery, Jining No. 1 People's Hospital, No. 99 Shixian Road, Gaoxin District, Jining 272000, Shandong Province, China.

Tel and Fax: +86-0537-2253431.

E-mail: zhanglc_sur@sina.com

Download English Version:

<https://daneshyari.com/en/article/8294720>

Download Persian Version:

<https://daneshyari.com/article/8294720>

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