



Scan to view this journal
on your mobile device



Supported by the National Natural
Science Foundation of China

Acta Biochimica et Biophysica Sinica

Vol. 43 No. 11 November 2011

Contents

Review

831 New role of microRNA: carcinogenesis and clinical application in cancer

Luqing Zhao, Xue Chen, and Ya Cao

Original Articles

840 Matrix metalloproteinase 2 promotes cell growth and invasion in colorectal cancer

Wei Dong, Hong Li, Yan Zhang, Heng Yang, Min Guo, Li Li, and Tongjun Liu

849 MicroRNA-191 targets *N*-deacetylase/*N*-sulfotransferase 1 and promotes cell growth in human gastric carcinoma cell line MGC803

Xuejun Shi, Shicang Su, Jian Long, Bing Mei, and Yajun Chen

857 Efficacy of Atorvastatin combined with adipose-derived mesenchymal stem cell transplantation on cardiac function in rats with acute myocardial infarction

Anping Cai, Dongdan Zheng, Yugang Dong, Ruofeng Qiu, Yuli Huang, Yuanbin Song, Zhigao Jiang, Shaoqi Rao, Xinxue Liao, Jian Kuang, Gang Dai, and Weiyi Mai

867 Biophysical characterization of calmodulin and calmodulin-like proteins from rice, *Oryza sativa* L.

Aumart Chinpongpanich, Nuchanat Wutipraditkul, Sarut Thairat, and Teerapong Buaboocha

877 Targeted novel surface-modified nanoparticles for interferon delivery for the treatment of hepatitis B

Namita Giri, Priti Tomar, Vijai Singh Karwasara, Ravi S. Pandey, and V.K. Dixit

884 The relationship of haplotype in lactotransferrin and its expression levels in Chinese Han ovarian cancer

Lanqin Cao, Yanhong Zhou, Xin Li, and Hong Yi

891 Purification and characterization of the acetyl-CoA synthetase from *Mycobacterium tuberculosis*

Ru Li, Jing Gu, Peng Chen, Zhiping Zhang, Jiaoyu Deng, and XianEn Zhang

900 An efficient method for refolding the extracellular portion of CD147 from the total bacterial lysate

Fei Song, Xin Zhang, Yifei Li, Qiang Ru, Xiaobai Ren, Bin Xia, and Zhi-Nan Chen

Short Communication

909 Altered microRNA expression following sciatic nerve resection in dorsal root ganglia of rats

Bin Yu, Songlin Zhou, Tianmei Qian, Yongjun Wang, Fei Ding, and Xiaosong Gu

New Phenomenon

916 MBD 4—a potential substrate for protein kinase X

Ying Lin and Wei Li

Acta Biochim Biophys Sin is indexed in Science Citation Index-Expanded™, PubMed, MEDLINE, Biochemistry & Biophysics Citation Index™, Biological Abstracts, Bioscience Citation Index™, Chemical Abstracts, Research Alert™, etc. *Acta Biochim Biophys Sin* is supported by the grants from the Science Publishing Foundation of the Chinese Academy of Sciences, the National Natural Science Foundation of China, and WANG Ying-Lai Foundation.