

Accepted Manuscript

Characterization, expression, and functional study of IRAK-1 from grouper, *Epinephelus coioides*

Yan-Wei Li, Fei Zhao, Ze-Quan Mo, Xiao-Chun Luo, An-Xing Li, Xue-Ming Dan



PII: S1050-4648(16)30390-4

DOI: [10.1016/j.fsi.2016.06.030](https://doi.org/10.1016/j.fsi.2016.06.030)

Reference: YFSIM 4030

To appear in: *Fish and Shellfish Immunology*

Received Date: 21 December 2015

Revised Date: 20 June 2016

Accepted Date: 22 June 2016

Please cite this article as: Li Y-W, Zhao F, Mo Z-Q, Luo X-C, Li A-X, Dan X-M, Characterization, expression, and functional study of IRAK-1 from grouper, *Epinephelus coioides*, *Fish and Shellfish Immunology* (2016), doi: 10.1016/j.fsi.2016.06.030.

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.

1 **Characterization, expression, and functional study of IRAK-1 from grouper,**
2 ***Epinephelus coioides***

3

4 Yan-Wei Li^{a,b}, Fei Zhao^c, Ze-Quan Mo^a, Xiao-Chun Luo^d, An-Xing Li^{b,*}, Xue-Ming
5 Dan^{a,**}

6

7 ^a*College of Animal Science, South China Agricultural University, Guangzhou 510642,*
8 *Guangdong Province, PR China.*

9 ^b*State Key Laboratory of Biocontrol, School of Life Sciences, Sun Yat-sen University,*
10 *Guangzhou 510275, Guangdong Province, PR China.*

11 ^c*Key Laboratory of Fishery Drug Development, Ministry of Agriculture, Pearl River*
12 *Fisheries Research Institute, Chinese Academy of Fishery Sciences, Guangzhou*
13 *510380, Guangdong Province, PR China.*

14 ^d*School of Bioscience and Biotechnology, South China University of Technology,*
15 *Guangzhou 510006, Guangdong Province, PR China.*

16

17

18 *Corresponding to: A.-X. Li, State Key Laboratory of Biocontrol, School of Life
19 Sciences, Sun Yat-sen University, 135 Xingang West Street, Haizhu District,
20 Guangzhou 510275, Guangdong Province, PR China. Tel./fax: +86 20 84115113.

21 **Correspondence to: X.-M. Dan, College of Animal Science, South China
22 Agricultural University, 483 Wushan Street, Tianhe District, Guangzhou 510642, PR
23 China. Tel. /fax: +86 20 85283529.

24 E-mail addresses: lianxing@mail.sysu.edu.cn (A.-X. Li), dxm72@scau.edu.cn (X.-M.
25 Dan).

26

Download English Version:

<https://daneshyari.com/en/article/8499061>

Download Persian Version:

<https://daneshyari.com/article/8499061>

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