

Accepted Manuscript

Characterization of galectin-1 from Chinese giant salamanders *Andrias davidianus* and its involvements during immune response

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PII: S0145-305X(16)30387-1

DOI: [10.1016/j.dci.2017.01.004](https://doi.org/10.1016/j.dci.2017.01.004)

Reference: DCI 2787

To appear in: *Developmental and Comparative Immunology*

Received Date: 1 November 2016

Revised Date: 4 January 2017

Accepted Date: 4 January 2017

Please cite this article as: Yang, H., Lan, Q., Liu, R., Cui, D., Liu, H., Xiong, D., Li, F., Liu, X., Wang, L., Characterization of galectin-1 from Chinese giant salamanders *Andrias davidianus* and its involvements during immune response, *Developmental and Comparative Immunology* (2017), doi: 10.1016/j.dci.2017.01.004.

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Highlights

- The galectin-1 gene was identified and characterized in *Andrias davidianus*.
- *AdGal1* was ubiquitously expressed in all tested tissues.
- *AdGal1* could be up-regulated in kidney after *Aeromonas hydrophila* and GSIV infection.
- Recombinant AdGal1 protein could bind to different bacteria.
- rAdGal1 strongly agglutinate different kinds of bacteria at different concentrations.

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