

## Accepted Manuscript

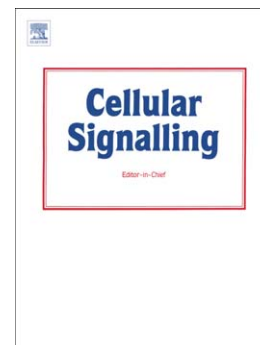
Heterotrimeric G protein G $\alpha$ s subunit attenuates PLEKHG2, a Rho family-specific guanine nucleotide exchange factor, by direct interaction

Kazue Sugiyama, Kenji Tago, Sayumi Matsushita, Masashi Nishikawa, Katsuya Sato, Yoshinori Muto, Takahiro Nagase, Hiroshi Ueda

PII: S0898-6568(17)30028-1  
DOI: doi:[10.1016/j.cellsig.2017.01.022](https://doi.org/10.1016/j.cellsig.2017.01.022)  
Reference: CLS 8837

To appear in: *Cellular Signalling*

Received date: 23 December 2016  
Accepted date: 15 January 2017



Please cite this article as: Kazue Sugiyama, Kenji Tago, Sayumi Matsushita, Masashi Nishikawa, Katsuya Sato, Yoshinori Muto, Takahiro Nagase, Hiroshi Ueda, Heterotrimeric G protein G $\alpha$ s subunit attenuates PLEKHG2, a Rho family-specific guanine nucleotide exchange factor, by direct interaction, *Cellular Signalling* (2017), doi:[10.1016/j.cellsig.2017.01.022](https://doi.org/10.1016/j.cellsig.2017.01.022)

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.

**Heterotrimeric G protein *Gas* subunit attenuates PLEKHG2, a Rho family-specific guanine nucleotide exchange factor, by direct interaction**

Kazue Sugiyama<sup>1</sup>, Kenji Tago<sup>2</sup>, Sayumi Matsushita<sup>3</sup>, Masashi Nishikawa<sup>1</sup>, Katsuya Sato<sup>\*, 1</sup>, Yoshinori Muto<sup>1, 3</sup>, Takahiro Nagase<sup>4</sup> and Hiroshi Ueda<sup>\*\*, 1, 5</sup>

<sup>1</sup>United Graduate School of Drug Discovery and Medical Information Sciences, Gifu University, Yanagido1-1, Gifu 501-1193, Japan

<sup>2</sup>Graduate School of Medicine, Jichi Medical University, Shimotsuke, Tochigi 329-0498, Japan

<sup>3</sup>Department of Functional Bioscience, Gifu University School of Medicine, Yanagido1-1, Gifu 501-1193, Japan

<sup>4</sup>Kazusa DNA Research Institute, Kisarazu, 293-0818, Japan

<sup>5</sup> Department of Chemistry and Biomolecular Science, Faculty of Engineering, Gifu University, Yanagido1-1, Gifu 501-1193, Japan.

Running title: Attenuation of PLEKHG2 by *Gas*

<sup>\*\*</sup>Corresponding author: Department of Chemistry and Biomolecular Science, Faculty of Engineering, Gifu University, Yanagido1-1, Gifu 501-1193, Japan. Tel: +81-58-293-2658; Fax: +81-58-293-7604; E-mail: [hueda@gifu-u.ac.jp](mailto:hueda@gifu-u.ac.jp)

<sup>\*</sup>Current address: Department of Molecular PathoBiochemistry, Gifu University Graduate School of Medicine, Yanagido 1-1, Gifu, 501-1193, Japan

*Abbreviations:* PKA, protein kinase A; RhoGEF, Rho-specific guanine nucleotide exchange factor; Rho, Rho family small GTP-binding proteins; SRE, serum response element; CRE, cAMP response element.

Download English Version:

<https://daneshyari.com/en/article/5509381>

Download Persian Version:

<https://daneshyari.com/article/5509381>

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