

# Accepted Manuscript

The C-terminus of ribosomal protein uS4 contributes to small ribosomal subunit biogenesis and the fidelity of translation

Divya Kamath, Benjamin B. Allgeyer, Steven T. Gregory, Margaret C. Bielski, David M. Roelofs, Sharon L. Sabapathypillai, Nikhil Vaid, Michael O'Connor



PII: S0300-9084(17)30116-5

DOI: [10.1016/j.biochi.2017.05.004](https://doi.org/10.1016/j.biochi.2017.05.004)

Reference: BIOCHI 5199

To appear in: *Biochimie*

Received Date: 17 April 2017

Accepted Date: 4 May 2017

Please cite this article as: D. Kamath, B.B. Allgeyer, S.T. Gregory, M.C. Bielski, D.M. Roelofs, S.L. Sabapathypillai, N. Vaid, M. O'Connor, The C-terminus of ribosomal protein uS4 contributes to small ribosomal subunit biogenesis and the fidelity of translation, *Biochimie* (2017), doi: 10.1016/j.biochi.2017.05.004.

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.

The C-Terminus of Ribosomal Protein uS4 Contributes to Small Ribosomal Subunit Biogenesis and the Fidelity of Translation.

Divya Kamath,<sup>a</sup> Benjamin B. Allgeyer,<sup>a</sup> Steven T Gregory,<sup>b,c</sup> Margaret C. Bielski<sup>a</sup>, David M. Roelofs<sup>d</sup>, Sharon L. Sabapathypillai,<sup>d</sup> Nikhil Vaid,<sup>a</sup> Michael O'Connor<sup>a,#</sup>

School of Biological Sciences, University of Missouri-Kansas City, Kansas City, Missouri, USA<sup>a</sup>, Department of Molecular Biology, Cell Biology & Biochemistry, Brown University, Providence, Rhode Island, USA<sup>b</sup> USA and Department of Cell and Molecular Biology, University of Rhode Island, Kingston, Rhode Island, USA<sup>c</sup> Program in Medicine, School of Medicine, University of Missouri-Kansas City, Kansas City, Missouri, USA<sup>d</sup>.

Running Head: uS4 mutant ribosomes

# Address correspondence to Michael O'Connor, [oconnormi@umkc.edu](mailto:oconnormi@umkc.edu)

Download English Version:

<https://daneshyari.com/en/article/5508981>

Download Persian Version:

<https://daneshyari.com/article/5508981>

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