

Accepted Manuscript

A novel mutation in *CDK5RAP2* gene causes primary microcephaly with speech impairment and sparse eyebrows in a consanguineous Pakistani family

Uzma Abdullah, Muhammad Farooq, Yuan Mang, Syeda Marriam Bakhtiar, Ambrin Fatima, Lars Hansen, Klaus Wilbrandt Kjaer, Lars Allan Larsen, Niels Tommerup, Shahid Mahmood Baig

PII: S1769-7212(17)30221-5

DOI: [10.1016/j.ejmg.2017.07.017](https://doi.org/10.1016/j.ejmg.2017.07.017)

Reference: EJMG 3320

To appear in: *European Journal of Medical Genetics*

Received Date: 30 March 2017

Revised Date: 22 June 2017

Accepted Date: 30 July 2017

Please cite this article as: U. Abdullah, M. Farooq, Y. Mang, S. Marriam Bakhtiar, A. Fatima, L. Hansen, K.W. Kjaer, L.A. Larsen, N. Tommerup, S. Mahmood Baig, A novel mutation in *CDK5RAP2* gene causes primary microcephaly with speech impairment and sparse eyebrows in a consanguineous Pakistani family, *European Journal of Medical Genetics* (2017), doi: 10.1016/j.ejmg.2017.07.017.

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.



Article Type:

Clinical Report

Full Title:

A novel mutation in *CDK5RAP2* gene causes primary microcephaly with speech impairment and sparse eyebrows in a consanguineous Pakistani family

First Author's Surname:

Abdullah

Authors and affiliations:

Uzma Abdullah¹, Muhammad Farooq^{2,3*}, Yuan Mang², Syeda Marriam Bakhtiar¹, Ambrin Fatima¹, Lars Hansen², Klaus Wilbrandt Kjaer², Lars Allan Larsen², Niels Tommerup², Shahid Mahmood Baig¹.

¹. Human Molecular Genetics Laboratory, National Institute for Biotechnology and Genetic Engineering (NIBGE)-PIEAS, Faisalabad, Pakistan.

². Department of Cellular and Molecular Medicine, Wilhelm Johannsen Centre for Functional Genome Research, University of Copenhagen, Copenhagen, Denmark.

³Department of Bioinformatics & Biotechnology, Government College University Faisalabad, Faisalabad 38000, Pakistan.

Corresponding author:

Shahid Mahmood Baig,
Professor of Human Molecular Genetics,
Head, Health Biotechnology Division
Deputy Chief Scientist,
Group Leader Human Molecular Genetics Laboratory, NIBGE, Faisalabad, Pakistan.
Phone number: +92 300 9730304
email: shahid_baig2002@yahoo.com

Download English Version:

<https://daneshyari.com/en/article/8644351>

Download Persian Version:

<https://daneshyari.com/article/8644351>

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