

## Accepted Manuscript

PURA, the gene encoding Pur-alpha, member of an ancient nucleic acid-binding protein family with mammalian neurological functions

Dianne C. Daniel, Edward M. Johnson



PII: S0378-1119(17)31048-X  
DOI: doi:[10.1016/j.gene.2017.12.004](https://doi.org/10.1016/j.gene.2017.12.004)  
Reference: GENE 42390  
To appear in: *Gene*  
Received date: 3 July 2017  
Revised date: 4 December 2017  
Accepted date: 4 December 2017

Please cite this article as: Dianne C. Daniel, Edward M. Johnson , PURA, the gene encoding Pur-alpha, member of an ancient nucleic acid-binding protein family with mammalian neurological functions. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Gene*(2017), doi:[10.1016/j.gene.2017.12.004](https://doi.org/10.1016/j.gene.2017.12.004)

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.

***PURA*, the Gene Encoding Pur-alpha, Member of an Ancient Nucleic Acid-binding Protein Family with Mammalian Neurological Functions**

Dianne C. Daniel and Edward M. Johnson\*  
Department of Microbiology and Molecular Cell Biology  
Eastern Virginia Medical School  
Norfolk, VA 23507

**Key words:** Pura (Pur-alpha), Purb, Pur-beta, Purg, Pur-gamma-A and Pur-gamma-B, AIDS, myelodysplastic syndrome, acute myelogenous leukemia, AML, progressive multifocal leukoencephalopathy, PML, polyomavirus JC, JCV, fragile X syndrome, FXS, FMR1, amyotrophic lateral sclerosis, ALS, *C9ORF72*, dementia

\*Corresponding author, with whom contact should be made:

Edward M. Johnson, Ph.D.

Email: johnson@emeritus.evms.edu

Phone: 757-375-1245

Department of Microbiology and Molecular Cell Biology

Eastern Virginia Medical School

700 West Olney Road

Norfolk, VA 23507

USA

**Abstract**

The *PURA* gene encodes Pur-alpha, a 322 amino acid protein with repeated nucleic acid binding domains that are highly conserved from bacteria through humans. *PUR* genes with a single copy of this domain have been detected so far

Download English Version:

<https://daneshyari.com/en/article/8645769>

Download Persian Version:

<https://daneshyari.com/article/8645769>

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