Fungal Genetics Stock Center
Cell Biology and Biophysics
School of Biological Sciences
5007 Rockhill Road
University of Missouri, Kansas City
Kansas City, MO 64110

A1149

PLEASE PROVIDE COMPLETE INFORMATION

Reprints or other data relating to this deposit will aid the Stock Center and recipients of the strain.

Accession number

SPECIES ***Aspergillus nidulans*** MATING TYPE **N/A** **N/A**

GENOTYPE **pyrG89; pyroA4; nkuA::argB;**

DESIGNATION OF MUTANT ALLELE(S) _____

LINKAGE GROUP(S)_____ STRAIN DESIGNATION IF WILD-TYPE **N/A**

YOUR STOCK NUMBER FOR THIS CULTURE **TN02A3** (L01385)
include stock no. from other collections

ORIGIN OF STOCK **The nkuA gene was deleted in KJ12 (wA3; argB2; pyroA4) by replacing it with argB. This was crossed to A770 (pabaB22; pyrG89; riboB2). TN02A3 is a segregant of this cross.**

for example - obtained from, genetic background, from cross with; or if collected from nature, collection point, substrate and collector.

PUBLISHED REFERENCES **N/A**
RECOMMENDED CATALOG LISTING **Section C (*Aspergillus*)**

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, genetic background, important characteristics **The nkuA gene was deleted in KJ12 (wA3; argB2; pyroA4)by replacing it with argB. This was crossed to A770 (pabaB22; pyrG89; riboB2). TN02A3 is a segregant of this cross. Work was done by Tania Nayak, Berl Oakley and Michael Hynes.**

COMMENTS (special growth requirements, aberrations, heterokaryon compatibility, special uses of strain, etc.)

Deletion of nkuA (the *A. nidulans* homolog of human Ku70 gene) reduces the frequency of non-homologous integration of transforming DNA and greatly facilitates gene targeting. NkuA deleted strains show no obvious growth defect and are not sensitive to a variety of DNA damaging drugs.

YOUR NAME **TANIA NAYAK** DATE **01/03/2006**