

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

A1150

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 *pyroA4; nkuA::argB; riboB2*

DESIGNATION OF MUTANT ALLELE(S) \_\_\_\_\_

LINKAGE GROUP(S) \_\_\_\_\_ STRAIN DESIGNATION IF WILD-TYPE N/A

YOUR STOCK NUMBER FOR THIS CULTURE **TN02A21 (L01386)**  
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*). TN02A21 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IF UNPUBLISHED, please indicate strain of origin, mutagen, worker,  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*). TN02A21 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**