

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

CU428/fsNEO

RRID:TSC_SD03309

Type: Organism

Proper Citation

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Organism Information

URL: <https://sites.wustl.edu/tetrahymena/finding-strains/>

Proper Citation: RRID:TSC_SD03309

Description: Tetrahymena thermophila with name CU428/fsNEO from TSC.

Species: Tetrahymena thermophila

Notes: NEO coding sequence with two frameshift mutations in RPL29 vector (conferring resistance to Cyclohexamide, but remaining sensitive to paromomycin). The intention is this will provide the OLD MAC with a (defective) copy of the resistance gene, preventing its elimination in the NEW MAC after MIC transformation. From the Winey Lab at the University of Colorado Boulder.

Genomic Alteration: Macronucleus: RPL29::frame shift NEO

Catalog Number: SD03309

Background: mpr1-1/mpr1-1 (WT; WT, VII)

Database: TSC, Tetrahymena Stock Center

Database Abbreviation: TSC

Source References: [PMID:23426847](#)

Organism Name: CU428/fsNEO

Record Creation Time: 20230308T214044+0000

Record Last Update: 20260808T234146+0000

Ratings and Alerts

No rating or validation information has been found for CU428/fsNEO.

No alerts have been found for CU428/fsNEO.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: TSC, Tetrahymena Stock Center

Usage and Citation Metrics

We have not found any literature mentions for this resource.