

Resource Summary Report

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BMCG-hy3-63

RRID:TSC_SD01813

Type: Organism

Proper Citation

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Organism Information

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

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Description: Tetrahymena thermophila with name BMCG-hy3-63 from TSC.

Species: Tetrahymena thermophila

Notes: major h3, h4 germline KO cells were rescued with hy3. Hybrid H3 construct with H3(1-75) H3.3 (76-90) H3 (91-135), then transformed with Bsr-mtt1-cna1-gfp construct. CNA1-GFP seq. was used to replace MTT1 coding seq. Bsr1 cas. Thaw cells without drugs, then grow them in 60-100ug/ml blasticidin, Use 0.5-1 ug/ml cadmium chloride to express and see the green centromere. From the Gorovsky lab, University of Rochester. This strain has been cataloged by the Stock Center but not thawed.

Affected Gene: CNA1 (TTHERM_00146340), HHT2 (TTHERM_00189180), HHT3 (TTHERM_00016170)

Genomic Alteration: Micronucleus: Δ hht1, Δ hht2 Δ hhf1, Δ hhf2
Macronucleus: hybrid H3 replaces major H3. In MTT1 locus, GFP tagged CNA1

Catalog Number: SD01813

Background: Δ hht1 & Δ hht2 Δ hhf1 Δ hhf2
hht1[Δ hht1,neo2]/hht1[Δ hht1,neo2]; hhf1[Δ hhf1,neo]/hhf1[Δ hhf1,neo];
hhf2,hht2[Δ hht2, neo2]/ hhf2,hht2[Δ hhf2, neo2]
(hht1[Δ hht1,neo2]/hhf1[Δ hhf1,neo]/hhf2,hht2[Δ hht2, neo2]/ chimeric H3[H3(1-75)
H3.3(76-90) H3(91-135)] MTT1/mtt1-?[5 Δ hht1TM neo2, Δ hht1,(::CNA1), GFPc]; pm-r,
bsr-1, hybrid H3 replaces major H3. In MTT1 locus,GFP tagged CNA1)

Database: TSC, Tetrahymena Stock Center

Database Abbreviation: TSC

Source References: [PMID:15701804](#)

Organism Name: BMCG-hy3-63

Record Creation Time: 20230308T214043+0000

Record Last Update: 20260905T173636+0000

Ratings and Alerts

No rating or validation information has been found for BMCG-hy3-63.

No alerts have been found for BMCG-hy3-63.

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.