

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

KOMP ES cell line *Stac3tm1a(KOMP)Wtsi*

RRID:MMRRC_063023-UCD

Type: Organism

Proper Citation

RRID:MMRRC_063023-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=63023

Proper Citation: RRID:MMRRC_063023-UCD

Description: Mus musculus with name KOMP ES cell line *Stac3tm1a(KOMP)Wtsi* from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

Phenotype: abnormal rib morphology [MP:0000150]| abnormal sternum morphology [MP:0000157]| kyphosis [MP:0000160]| paralysis [MP:0000753]| abnormal skeletal muscle morphology [MP:0000759]| thin diaphragm muscle [MP:0000761]| abnormal neuromuscular synapse morphology [MP:0001053]| no spontaneous movement [MP:0001404]| unresponsive to tactile stimuli [MP:0001491]| abnormal posture [MP:0001504]| limp posture [MP:0001506]| abnormal postnatal growth/weight/body size [MP:0002089]| abnormal skeleton development [MP:0002113]| abnormal diaphragm morphology [MP:0002279]| impaired skeletal muscle contractility [MP:0002841]| abnormal skeletal muscle fiber morphology [MP:0003084]| abnormal sarcomere morphology [MP:0004090]| abnormal Z line morphology [MP:0004091]| abnormal tongue muscle morphology [MP:0004136]| abnormal muscle electrophysiology [MP:0004145]| abnormal spine curvature [MP:0004174]| abnormal calcium ion homeostasis [MP:0004231]| abnormal extensor digitorum longus morphology [MP:0004246]| abnormal limb posture [MP:0004263]| abnormal deltoid tuberosity morphology [MP:0004353]| abnormal trochanter morphology [MP:0004627]| decreased skeletal muscle mass [MP:0004819]| abnormal miniature endplate potential [MP:0004835]| hypoxia [MP:0005039]| carpoptosis [MP:0005162]| abnormal costal cartilage morphology [MP:0006432]| increased skeletal muscle fiber diameter [MP:0009401]| centrally nucleated skeletal muscle fibers [MP:0009404]| decreased skeletal muscle fiber number [MP:0009406]| decreased fetal weight [MP:0009431]| primary atelectasis [MP:0010819]| neonatal lethality [MP:0011087]| complete penetrance [MP:0012055]

Affected Gene: Stac3

Catalog Number: 063023-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_63023-UCD, MMRRC_063023, MMRRC_6323

Organism Name: KOMP ES cell line *Stac3tm1a(KOMP)Wtsi*

Record Creation Time: 20230308T055442+0000

Record Last Update: 20260905T111450+0000

Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Stac3tm1a(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Stac3tm1a(KOMP)Wtsi*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.