

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

KOMP ES cell line *Arhgef4tm1a(KOMP)Wtsi*

RRID:MMRRC_052330-UCD

Type: Organism

Proper Citation

RRID:MMRRC_052330-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=52330

Proper Citation: RRID:MMRRC_052330-UCD

Description: Mus musculus with name KOMP ES cell line *Arhgef4tm1a(KOMP)Wtsi* from MMRRC.

Species: Mus musculus

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

Phenotype: decreased bone mineral density [MP:0000063]| decreased IgE level [MP:0002492]| decreased circulating triglyceride level [MP:0002644]| decreased hemoglobin content [MP:0002874]| increased circulating alkaline phosphatase level [MP:0002968]| decreased T cell number [MP:0005018]| abnormal response to tactile stimuli [MP:0005316]| increased circulating total protein level [MP:0005568]| increased mature B cell number [MP:0008210]| decreased IgG1 level [MP:0008495]

Affected Gene: *Arhgef4*

Catalog Number: 052330-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_52330-UCD, MMRRC_052330, MMRRC_5233

Organism Name: KOMP ES cell line *Arhgef4tm1a(KOMP)Wtsi*

Record Creation Time: 20230308T055323+0000

Record Last Update: 20260801T124820+0000

Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Arhgef4tm1a(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Arhgef4tm1a(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.