

Resource Summary Report

Generated by [RRID](#) on Jul 28, 2026

KOMP ES cell line *Hbs1^{tm1a}(KOMP)Wtsi*

RRID:MMRRC_056718-UCD

Type: Organism

Proper Citation

RRID:MMRRC_056718-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=56718

Proper Citation: RRID:MMRRC_056718-UCD

Description: Mus musculus with name KOMP ES cell line *Hbs1^{tm1a}(KOMP)Wtsi* from MMRRC.

Species: Mus musculus

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

Phenotype: decreased bone mineral density [MP:0000063] decreased monocyte cell number [MP:0000223] abnormal cranium morphology [MP:0000438] abnormal snout morphology [MP:0000443] short snout [MP:0000445] increased rib number [MP:0000480] decreased body length [MP:0001258] abnormal cornea morphology [MP:0001312] corneal opacity [MP:0001314] abnormal retina morphology [MP:0001325] male infertility [MP:0001925] increased mean corpuscular volume [MP:0002590] increased mean platelet volume [MP:0002599] increased circulating alkaline phosphatase level [MP:0002968] vertebral transformation [MP:0003036] abnormal lumbar vertebrae morphology [MP:0003049] abnormal bone structure [MP:0003795] increased lean body mass [MP:0003960] decreased lean body mass [MP:0003961] decreased eosinophil cell number [MP:0005012] increased T cell number [MP:0005015] abnormal retinal pigmentation [MP:0005103] improved glucose tolerance [MP:0005292] increased mean corpuscular hemoglobin [MP:0005561] increased circulating total protein level [MP:0005568] increased NK cell number [MP:0008044] increased CD4-positive [MP:0008074] alpha beta T cell number [MP:0008346] increased gamma-delta T cell number [MP:0008810] increased circulating iron level [MP:0010025] decreased total body fat amount [MP:0010067] increased red blood cell distribution width [MP:0010124] decreased bone mineral content [MP:0010168] increased CD4-positive [MP:0010844] CD25-positive [MP:0010851] alpha-beta regulatory T cell number [MP:0012764] increased effector memory CD4-positive [MP:0013023] alpha-beta T cell number [MP:0013157] decreased effector memory CD8-positive [MP:0013764]

Affected Gene: |Hbs1|

Catalog Number: 056718-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_56718-UCD, MMRRC_056718, MMRRC_56718

Organism Name: KOMP ES cell line *Hbs1^{tm1a}(KOMP)Wtsi*

Record Creation Time: 20230308T055355+0000

Record Last Update: 20260725T164557+0000

Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Hbs1^{tm1a}(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Hbs1^{tm1a}(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.