

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

KOMP ES cell line *Mysm1tm1a(KOMP)Wtsi*

RRID:MMRRC_059090-UCD

Type: Organism

Proper Citation

RRID:MMRRC_059090-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=59090

Proper Citation: RRID:MMRRC_059090-UCD

Description: Mus musculus with name KOMP ES cell line *Mysm1tm1a(KOMP)Wtsi* from MMRRC.

Species: Mus musculus

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

Phenotype: abnormal vertebrae morphology [MP:0000137]| decreased hematocrit [MP:0000208]| decreased leukocyte cell number [MP:0000221]| increased granulocyte number [MP:0000322]| abnormal coat/ hair morphology [MP:0000367]| belly spot [MP:0000373]| abnormal hair follicle morphology [MP:0000377]| distorted hair follicle pattern [MP:0000384]| abnormal hair cycle [MP:0000427]| abnormal hindlimb morphology [MP:0000556]| abnormal autopod morphology [MP:0000572]| kinked tail [MP:0000585]| tremors [MP:0000745]| abnormal epidermal layer morphology [MP:0001216]| abnormal body length [MP:0001256]| decreased body length [MP:0001258]| decreased body weight [MP:0001262]| hyperactivity [MP:0001399]| hypoactivity [MP:0001402]| abnormal gait [MP:0001406]| trunk curl [MP:0001512]| increased circulating phosphate level [MP:0001566]| abnormal coat/hair pigmentation [MP:0002075]| abnormal tail morphology [MP:0002111]| increased mean corpuscular volume [MP:0002590]| decreased circulating triglyceride level [MP:0002644]| decreased hemoglobin content [MP:0002874]| decreased erythrocyte cell number [MP:0002875]| abnormal bone mineralization [MP:0002896]| increased circulating alkaline phosphatase level [MP:0002968]| curly tail [MP:0003051]| abnormal coping response [MP:0003062]| abnormal bone structure [MP:0003795]| decreased lean body mass [MP:0003961]| abnormal behavior [MP:0004924]| increased T cell number [MP:0005015]| decreased B cell number [MP:0005017]| decreased circulating cholesterol level [MP:0005179]| thrombocytosis [MP:0005505]| increased mean corpuscular hemoglobin concentration [MP:0005641]| decreased mature B cell number [MP:0008211]| increased IgG2b level [MP:0008501]| decreased tail pigmentation

[MP:0011277]

Affected Gene: Mysm1

Catalog Number: 059090-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_59090-UCD, MMRRC_059090, MMRRC_599

Organism Name: KOMP ES cell line *Mysm1tm1a(KOMP)Wtsi*

Record Creation Time: 20230308T055413+0000

Record Last Update: 20260801T125059+0000

Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Mysm1tm1a(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Mysm1tm1a(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.