

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

129S.Cg-Macroh2a2^{tm1.1Peh} Macroh2a1^{tm1Peh}/Mmjax

RRID:MMRRC_037356-JAX

Type: Organism

Proper Citation

RRID:MMRRC_037356-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37356

Proper Citation: RRID:MMRRC_037356-JAX

Description: Mus musculus with name 129S.Cg-Macroh2a2^{tm1.1Peh} Macroh2a1^{tm1Peh}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Developmental Biology, Metabolism, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased body length [MP:0001258]| decreased body weight [MP:0001262]| abnormal fertility/fecundity [MP:0002161]| no abnormal phenotype detected [MP:0002169]| abnormal eyelid aperture [MP:0003671]| decreased lean body mass [MP:0003961]| fetal growth retardation [MP:0004201]| blepharitis [MP:0005251]| darkened coat color [MP:0005409]| decreased fetal weight [MP:0009431]| perinatal lethality [MP:0011090]| incomplete penetrance [MP:0013745]| decreased body length [MP:0001258]| decreased body weight [MP:0001262]| abnormal fertility/fecundity [MP:0002161]| no abnormal phenotype detected [MP:0002169]| abnormal eyelid aperture [MP:0003671]| decreased lean body mass [MP:0003961]| fetal growth retardation [MP:0004201]| blepharitis [MP:0005251]| darkened coat color [MP:0005409]| decreased fetal weight [MP:0009431]| perinatal lethality [MP:0011090]| incomplete penetrance [MP:0013745]

Affected Gene: Macroh2a1|Macroh2a2|

Catalog Number: 037356-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:17242180](#)

Alternate IDs: MMRRC_37356-JAX, MMRRC_037356, MMRRC_37356

Organism Name: 129S.Cg-Macroh2a2^{tm1.1Peh} Macroh2a1^{tm1Peh}/Mmjax

Record Creation Time: 20230308T055150+0000

Record Last Update: 20260919T133938+0000

Ratings and Alerts

No rating or validation information has been found for 129S.Cg-Macroh2a2^{tm1.1Peh} Macroh2a1^{tm1Peh}/Mmjax.

No alerts have been found for 129S.Cg-Macroh2a2^{tm1.1Peh} Macroh2a1^{tm1Peh}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Pehrson JR, et al. (2014) Mice without macroH2A histone variants. Molecular and cellular biology, 34(24), 4523.