

Resource Summary Report

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

STOCK Tg(RP23-281H22-CatCh-IRES-lacZ)B17Mik

RRID:IMSR_CHROMUS:B17

Type: Organism

Proper Citation

RRID:IMSR_CHROMUS:B17

Organism Information

URL: <http://chromus.vet.cornell.edu/hcn4catchireslacz/>

Proper Citation: RRID:IMSR_CHROMUS:B17

Description: Mus musculus with name STOCK Tg(RP23-281H22-CatCh-IRES-lacZ)B17Mik from IMSR.

Species: Mus musculus

Notes: gene symbol note: rhodopsin based optogenetic effector|beta-galactosidase|transgene insertion B17; Michael I Kotlikoff|hyperpolarization-activated; cyclic nucleotide-gated K+ 4; mutant stock: CatCh|lacZ|Tg(RP23-281H22-CatCh-IRES-lacZ)B17Mik|Hcn4

Affected Gene: rhodopsin based optogenetic effector|beta-galactosidase|transgene insertion B17; Michael I Kotlikoff|hyperpolarization-activated; cyclic nucleotide-gated K+ 4

Genomic Alteration: transgene insertion B17; Michael I Kotlikoff

Catalog Number: CHROMUS:B17

Database: Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling

Database Abbreviation: CHROMus

Availability: live

Organism Name: STOCK Tg(RP23-281H22-CatCh-IRES-lacZ)B17Mik

Record Creation Time: 20250513T062410+0000

Record Last Update: 20260905T053507+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(RP23-281H22-CatCh-IRES-lacZ)B17Mik.

No alerts have been found for STOCK Tg(RP23-281H22-CatCh-IRES-lacZ)B17Mik.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Lee FK, et al. (2021) Genetically engineered mice for combinatorial cardiovascular optobiology. eLife, 10.