

Resource Summary Report

Generated by [NIF](#) on Aug 5, 2026

[Hprt^{tm1\(tetO-Runx1/-EGFP\)Enk}/Hprt⁺; Sox10^{tm2\(rtTA\)Weg}/Sox10⁺](#)

RRID:MGI:4840038

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:4840038

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: postnatal lethality, complete penetrance, megacolon, hyperresponsive to tactile stimuli, abnormal skin pigmentation, small dorsal root ganglion, decreased birth body size

Affected Gene: Hprt, Sox10

Genomic Alteration: tm1(tetO-Runx1, -EGFP)Enk, tm2(rtTA)Weg

Catalog Number: 4840038

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20187849](#)

Organism Name: Hprt^{tm1(tetO-Runx1/-EGFP)Enk}/Hprt⁺; Sox10^{tm2(rtTA)Weg}/Sox10⁺

Record Creation Time: 20240120T190239+0000

Ratings and Alerts

No rating or validation information has been found for $Hprt^{tm1(tetO-Runx1/-EGFP)Enk/Hprt^+}; Sox10^{tm2(rtTA)Weg/Sox10^+}$.

No alerts have been found for $Hprt^{tm1(tetO-Runx1/-EGFP)Enk/Hprt^+}; Sox10^{tm2(rtTA)Weg/Sox10^+}$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Burtscher J, et al. (2018) Proenkephalin Derived Peptides Are Involved in the Modulation of Mitochondrial Respiratory Control During Epileptogenesis. *Frontiers in molecular neuroscience*, 11, 351.