

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 20, 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 $\text{Hprt}^{\text{tm1}(\text{tetO-Runx1/-EGFP})\text{Enk}/\text{Hprt}^+}; \text{Sox10}^{\text{tm2}(\text{rtTA})\text{Weg}/\text{Sox10}^+}$.

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

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 [SPARC SAWG](#) .

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.