Resource Summary Report

Generated by RRID on Aug 5, 2026

B6.129P2(Cg)-Tg(Tyr-cre/ERT2)13Bos *Nras*$^{tm1.1Nesh}$/Mmnc

RRID:MMRRC_043604-UNC
Type: Organism

Proper Citation

RRID:MMRRC_043604-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=43604

Proper Citation: RRID:MMRRC_043604-UNC

Description: Mus musculus with name B6.129P2(Cg)-Tg(Tyr-cre/ERT2)13Bos *Nras* $^{tm1.1Nesh}$/Mmnc from MMRRC.

Species: Mus musculus

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

Phenotype: hyperpigmentation [MP:0001188]| increased metastatic potential [MP:0001272]| increased cutaneous melanoma incidence [MP:0010322]| abnormal melanocyte proliferation [MP:0010741]

Affected Gene: Nras|||Tyr|cre/ERT2

Catalog Number: 043604-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:25252692, PMID:16676322

Alternate IDs: MMRRC_43604-UNC, MMRRC_043604, MMRRC_4364

Organism Name: B6.129P2(Cg)-Tg(Tyr-cre/ERT2)13Bos *Nras*$^{tm1.1Nesh}$/Mmnc

Record Creation Time: 20230308T055234+0000

Record Last Update: 20260801T124600+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2(Cg)-Tg(Tyr-cre/ERT2)13Bos *Nras*$^{tm1.1Nesh}$/Mmnc.

No alerts have been found for B6.129P2(Cg)-Tg(Tyr-cre/ERT2)13Bos *Nras*$^{tm1.1Nesh}$ /Mmnc.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

McDaniel CG, et al. (2025) Lyve1-Driven NrasQ61R Causes Edema, Enlarged Lymphatic Vessels, and Hepatic Vascular Defects in Embryonic Mice. Pediatric blood & cancer, 72(3), e31492.

Pastura P, et al. (2024) NRASQ61R mutation drives elevated angiopoietin-2 expression in human endothelial cells and a genetic mouse model. Pediatric blood & cancer, 71(7), e31032.

Murphy BM, et al. (2022) Enhanced BRAF engagement by NRAS mutants capable of promoting melanoma initiation. Nature communications, 13(1), 3153.