

Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

B6.129S4-Ngfr^{tm1Jae}/J

RRID:IMSR_JAX:002213

Type: Organism

Proper Citation

RRID:IMSR_JAX:002213

Organism Information

URL: <https://www.jax.org/strain/002213>

Proper Citation: RRID:IMSR_JAX:002213

Description: Mus musculus with name B6.129S4-Ngfr^{tm1Jae}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: nerve growth factor receptor (TNFR superfamily; member 16); mutant strain|congenic strain: Ngfr

Affected Gene: nerve growth factor receptor (TNFR superfamily; member 16)

Genomic Alteration: targeted mutation 1; Rudolf Jaenisch

Catalog Number: JAX:002213

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129S4-Ngfr^{tm1Jae}/J

Record Creation Time: 20250513T053630+0000

Record Last Update: 20260815T050541+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Ngfr^{tm1Jae}/J.

No alerts have been found for B6.129S4-Ngfr^{tm1Jae}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Hernández-Barranco A, et al. (2024) NGFR regulates stromal cell activation in germinal centers. *Cell reports*, 43(2), 113705.

Mei F, et al. (2024) Ngfr+ cholinergic projection from SI/nBM to mPFC selectively regulates temporal order recognition memory. *Nature communications*, 15(1), 7342.

Moya-Alvarado G, et al. (2023) BDNF/TrkB signaling endosomes in axons coordinate CREB/mTOR activation and protein synthesis in the cell body to induce dendritic growth in cortical neurons. *eLife*, 12.

Tiberi A, et al. (2023) Reduced levels of NGF shift astrocytes toward a neurotoxic phenotype. *Frontiers in cell and developmental biology*, 11, 1165125.

Inoue O, et al. (2023) Single-cell transcriptomics identifies adipose tissue CD271+ progenitors for enhanced angiogenesis in limb ischemia. *Cell reports. Medicine*, 4(12), 101337.

Follis RM, et al. (2021) Metabolic Control of Sensory Neuron Survival by the p75 Neurotrophin Receptor in Schwann Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(42), 8710.

Podyma B, et al. (2020) The p75 neurotrophin receptor in AgRP neurons is necessary for homeostatic feeding and food anticipation. *eLife*, 9.

Elshaer SL, et al. (2018) Deletion of p75NTR prevents vaso-obliteration and retinal neovascularization via activation of Trk- A receptor in ischemic retinopathy model. *Scientific reports*, 8(1), 12490.

Cheng I, et al. (2018) Temporally restricted death and the role of p75NTR as a survival receptor in the developing sensory nervous system. *Developmental neurobiology*, 78(7), 701.

Giza JI, et al. (2018) The BDNF Val66Met Prodomain Disassembles Dendritic Spines Altering Fear Extinction Circuitry and Behavior. *Neuron*, 99(1), 163.

Bando? a J, et al. (2017) Neurotrophin Receptor p75NTR Regulates Immune Function of Plasmacytoid Dendritic Cells. *Frontiers in immunology*, 8, 981.