

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

NeuroD/lacZ Knock-In (BX129-Neurod1tmAK71(lacZ)Jle/Mmcd)

RRID:BCBC_181

Type: Organism

Proper Citation

RRID:BCBC_181

Organism Information

URL:

Proper Citation: RRID:BCBC_181

Description: Homozygous phenotype: Postnatal lethal due to neonatal diabetes Pancreas--5% insulin production, no islet formation Gut--no CCK or secretin production Inner ear defects resulting in deafness--no cochlear ganglia and poor vestibular ganglia formation Cerebellar defect resulting in ataxia-- >90% depletion of cerebellar granule cells Hippocampal defects--no dentate gyrus.

Species: Mus musculus

Notes: Homozygous phenotype: Postnatal lethal due to neonatal diabetes Pancreas--5% insulin production, no islet formation Gut--no CCK or secretin production Inner ear defects resulting in deafness--no cochlear ganglia and poor vestibular ganglia formation Cerebellar defect resulting in ataxia-- >90% depletion of cerebellar granule cells Hippocampal defects--no dentate gyrus.

Phenotype: Diabetes mellitus

Catalog Number: 181

Background: TG

Database: BCBC, Beta Cell Biology Consortium

Database Abbreviation: BCBC

Organism Name: NeuroD/lacZ Knock-In (BX129-Neurod1tmAK71(lacZ)Jle/Mmcd)

Record Creation Time: 20230226T042341+0000

Record Last Update: 20260919T194559+0000

Ratings and Alerts

No rating or validation information has been found for NeuroD/lacZ Knock-In (BX129-Neurod1tmAK71(lacZ)Jle/Mmcd).

No alerts have been found for NeuroD/lacZ Knock-In (BX129-Neurod1tmAK71(lacZ)Jle/Mmcd).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: BCBC, Beta Cell Biology Consortium

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Liang T, et al. (2019) AMBN mutations causing hypoplastic amelogenesis imperfecta and Ambn knockout-NLS-lacZ knockin mice exhibiting failed amelogenesis and Ambn tissue-specificity. Molecular genetics & genomic medicine, 7(9), e929.