

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

STOCK *Nkx2-1^{tm1Shk}/Mmnc*

RRID:MMRRC_030044-UNC

Type: Organism

Proper Citation

RRID:MMRRC_030044-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30044

Proper Citation: RRID:MMRRC_030044-UNC

Description: Mus musculus with name STOCK *Nkx2-1^{tm1Shk}/Mmnc* from MMRRC.

Species: Mus musculus

Notes: Research areas: Developmental Biology, Endocrine Deficiency, Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal foregut morphology [MP:0000474] abnormal forebrain morphology [MP:0000783] abnormal diencephalon morphology [MP:0000830] abnormal hypothalamus morphology [MP:0000837] abnormal lung development [MP:0001176] pulmonary hypoplasia [MP:0001178] impaired coordination [MP:0001405] abnormal bronchus morphology [MP:0002264] abnormal type II pneumocyte morphology [MP:0002275] abnormal trachea morphology [MP:0002282] abnormal pulmonary circulation [MP:0002295] abnormal testes secretion [MP:0002782] abnormal Leydig cell morphology [MP:0002786] small thyroid gland [MP:0002951] abnormal tracheal cartilage morphology [MP:0003120] tracheoesophageal fistula [MP:0003321] abnormal thyroid gland development [MP:0003421] decreased tracheal cartilage ring number [MP:0004551] abnormal thoracic cavity morphology [MP:0004733] decreased testis weight [MP:0004852] increased circulating thyroid-stimulating hormone level [MP:0005122] absent thyroid gland [MP:0005314] absent pituitary gland [MP:0005315] decreased lung weight [MP:0005631] abnormal lung epithelium morphology [MP:0006382] abnormal adrenal cortex morphology [MP:0008288] decreased fetal weight [MP:0009431] absent type II pneumocytes [MP:0010812] absent alveolar lamellar bodies [MP:0010814] abnormal lung sacculle morphology [MP:0010825] abnormal pulmonary alveolus epithelium morphology [MP:0010898] abnormal pulmonary alveolar parenchyma morphology [MP:0010901] abnormal bronchus epithelium morphology [MP:0010943] decreased surfactant secretion [MP:0010993] impaired branching involved in bronchus morphogenesis [MP:0011028] postnatal lethality [MP:0011086] incomplete

penetrance [MP:0011087]| neonatal lethality [MP:0011143]| complete penetrance [MP:0012684]| thick lung-associated mesenchyme [MP:0013337]| abnormal pleural cavity morphology [MP:0013351]| abnormal adenohypophysis development [MP:0013352]| abnormal Rathke's pouch development [MP:0014198]| abnormal Rathke's pouch apoptosis [MP:0020556]| absent pituitary infundibular stalk [MP:0020558]

Affected Gene: Nkx2-1

Catalog Number: 030044-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:8557195](https://pubmed.ncbi.nlm.nih.gov/8557195/)

Alternate IDs: MMRRC_30044-UNC, MMRRC_030044, MMRRC_344

Organism Name: STOCK *Nkx2-1^{tm1Shk}/Mmnc*

Record Creation Time: 20230308T055118+0000

Record Last Update: 20260801T124211+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Nkx2-1^{tm1Shk}/Mmnc*.

No alerts have been found for STOCK *Nkx2-1^{tm1Shk}/Mmnc*.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.