

Resource Summary Report

Generated by [NIF](#) on Aug 6, 2026

B6;129-ErbB4^{tm1Grl}/Mmucd

RRID:MMRRC_010461-UCD

Type: Organism

Proper Citation

RRID:MMRRC_010461-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=10461

Proper Citation: RRID:MMRRC_010461-UCD

Description: Mus musculus with name B6;129-ErbB4^{tm1Grl}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Developmental Biology, Internal/Organ, Models for Human Disease, Neurobiology, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal blood flow velocity [MP:0000233]| absent trabeculae carneae [MP:0000296]| decreased atrioventricular cushion size [MP:0000301]| increased granulocyte number [MP:0000322]| abnormal mammary gland development [MP:0000628]| abnormal cerebellar granule layer morphology [MP:0000886]| abnormal motor neuron innervation pattern [MP:0000940]| abnormal sensory neuron innervation pattern [MP:0000968]| abnormal cranial nerve morphology [MP:0001056]| abnormal trigeminal nerve morphology [MP:0001065]| abnormal facial nerve morphology [MP:0001071]| abnormal vestibulocochlear nerve morphology [MP:0001072]| abnormal glossopharyngeal nerve morphology [MP:0001073]| abnormal cranial ganglia morphology [MP:0001081]| abnormal geniculate ganglion morphology [MP:0001082]| abnormal trigeminal ganglion morphology [MP:0001092]| thick pulmonary interalveolar septum [MP:0001179]| decreased anxiety-related response [MP:0001364]| hyperactivity [MP:0001399]| lung inflammation [MP:0001861]| increased airway responsiveness [MP:0001952]| abnormal long term potentiation [MP:0002207]| abnormal pulmonary alveolar duct morphology [MP:0002271]| abnormal respiratory function [MP:0002327]| enhanced long term potentiation [MP:0003008]| abnormal prepulse inhibition [MP:0003088]| abnormal vestibulocochlear ganglion morphology [MP:0003703]| abnormal surfactant secretion [MP:0004780]| decreased pulmonary respiratory rate [MP:0005574]| impaired lung alveolus development [MP:0006027]| abnormal mammary gland growth during pregnancy [MP:0006269]| decreased prepulse inhibition [MP:0009142]| impaired

contextual conditioning behavior [MP:0009454]| impaired cued conditioning behavior [MP:0009456]| abnormal mammary gland alveolus morphology [MP:0009506]| perinatal lethality [MP:0011090]| incomplete penetrance [MP:0011098]| embryonic lethality during organogenesis [MP:0012757]| complete penetrance [MP:0013716]

Affected Gene: Erbb4

Catalog Number: 010461-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:7477376](#)

Alternate IDs: MMRRC_10461-UCD, MMRRC_010461, MMRRC_1461

Organism Name: B6;129-*Erbb4*^{tm1Grl}/Mmucd

Record Creation Time: 20230308T054905+0000

Record Last Update: 20260801T123537+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-*Erbb4*^{tm1Grl}/Mmucd.

No alerts have been found for B6;129-*Erbb4*^{tm1Grl}/Mmucd.

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.