

Resource Summary Report

Generated by [RRID](#) on Aug 9, 2026

D2.129P2(Cg)-Cftr^{tm1Unc}/Mmnc

RRID:MMRRC_029586-UNC

Type: Organism

Proper Citation

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Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=29586

Proper Citation: RRID:MMRRC_029586-UNC

Description: Mus musculus with name D2.129P2(Cg)-Cftr^{tm1Unc}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation, Models for Human Disease;
Mutation Type: Targeted Mutation ; Collection:

Phenotype: impaired fertilization [MP:0000242]| abnormal intestine morphology [MP:0000477]| abnormal crypts of Lieberkuhn morphology [MP:0000490]| abnormal cecum morphology [MP:0000494]| abnormal colon morphology [MP:0000495]| spleen hyperplasia [MP:0000693]| small ovary [MP:0001127]| abnormal uterine cervix morphology [MP:0001135]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| distended abdomen [MP:0001270]| abnormal gait [MP:0001406]| postnatal growth retardation [MP:0001732]| abnormal thymus involution [MP:0001824]| intestinal inflammation [MP:0001858]| lung inflammation [MP:0001861]| reduced male fertility [MP:0001922]| reduced female fertility [MP:0001923]| female infertility [MP:0001926]| decreased litter size [MP:0001935]| delayed sexual maturation [MP:0001938]| abnormal pancreas morphology [MP:0001944]| abnormal mucociliary clearance [MP:0001947]| premature death [MP:0002083]| abnormal gland morphology [MP:0002163]| abnormal nasal mucosa morphology [MP:0002238]| abnormal paranasal sinus morphology [MP:0002240]| abnormal bronchus morphology [MP:0002264]| abnormal pulmonary alveolus morphology [MP:0002270]| abnormal trachea morphology [MP:0002282]| abnormal vital capacity [MP:0002309]| respiratory system inflammation [MP:0002405]| small uterus [MP:0002637]| asthenozoospermia [MP:0002675]| decreased corpora lutea number [MP:0002680]| intestinal obstruction [MP:0003270]| peritoneal inflammation [MP:0003303]| decreased ovulation rate [MP:0003355]| pulmonary interstitial fibrosis [MP:0003426]| abnormal intestinal goblet cell morphology [MP:0003449]| impaired sperm capacitation [MP:0003666]| abnormal submandibular gland morphology [MP:0003793]|

transmission ratio distortion [MP:0004179]| small pancreas [MP:0004247]| abnormal sperm physiology [MP:0004543]| abnormal phospholipid level [MP:0004777]| decreased ovary weight [MP:0004856]| decreased uterus weight [MP:0004905]| abnormal gallbladder morphology [MP:0005084]| prolonged estrous cycle [MP:0009006]| absent estrous cycle [MP:0009009]| thin uterus [MP:0009081]| pancreatic acinar cell zymogen granule accumulation [MP:0009161]| dilated gallbladder [MP:0009343]| coiled cecum [MP:0009478]| ileum hypertrophy [MP:0009484]| increased susceptibility to bacterial infection induced morbidity/mortality [MP:0009788]| pulmonary epithelial necrosis [MP:0010858]| increased respiratory mucosa goblet cell number [MP:0010861]| increased lung compliance [MP:0010895]| postnatal lethality [MP:0011086]| incomplete penetrance [MP:0012518]| abnormal Brunner's gland morphology [MP:0013494]| abnormal trachea gland morphology [MP:0013795]| abnormal colon goblet cell morphology [MP:0014028]| decreased respiratory epithelial chloride transmembrane transport [MP:0014182]| decreased respiratory epithelial sodium ion transmembrane transport [MP:0014206]| decreased intestinal epithelial sodium ion transmembrane transport [MP:0014208]| decreased intestinal epithelial chloride transmembrane transport [MP:0014226]| abnormal alveolar macrophage physiology [MP:0014230]| dilated crypts of Lieberkuhn [MP:0014232]

Affected Gene: *Cftr*

Catalog Number: 029586-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:1720548](#), [PMID:1380723](#), [PMID:7533607](#)

Alternate IDs: MMRRC_29586-UNC, MMRRC_029586, MMRRC_29586

Organism Name: D2.129P2(Cg)-*Cftr*^{tm1Unc}/Mmnc

Record Creation Time: 20230308T055116+0000

Record Last Update: 20260808T123948+0000

Ratings and Alerts

No rating or validation information has been found for D2.129P2(Cg)-*Cftr*^{tm1Unc}/Mmnc.

No alerts have been found for D2.129P2(Cg)-*Cftr*^{tm1Unc}/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.