

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

B6.Cg-Smad3^{tm1Par} Smad2^{tm2Rob} Tg(Cd4-cre)1Cwi/2AchMmnc

RRID:MMRRC_036953-UNC

Type: Organism

Proper Citation

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Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36953

Proper Citation: RRID:MMRRC_036953-UNC

Description: Mus musculus with name B6.Cg-Smad3^{tm1Par} Smad2^{tm2Rob} Tg(Cd4-cre)1Cwi/2AchMmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal heart development [MP:0000267] abnormal heart looping [MP:0000269] enlarged pericardium [MP:0000291] pericardial edema [MP:0001787] no abnormal phenotype detected [MP:0002169] abnormal rostral-caudal axis patterning [MP:0005221] abnormal anterior definitive endoderm morphology [MP:0008926] fused somites [MP:0011733] absent foregut [MP:0012083] truncated foregut [MP:0012084] absent midbrain [MP:0012087] absent forebrain [MP:0012136] rostral body truncation [MP:0012157] ruffled hair [MP:0000420] abnormal rectum morphology [MP:0000492] rectal prolapse [MP:0000493] abnormal colon morphology [MP:0000495] abnormal ovarian folliculogenesis [MP:0001130] abnormal ovarian follicle morphology [MP:0001131] decreased body size [MP:0001265] distended abdomen [MP:0001270] increased metastatic potential [MP:0001272] abnormal posture [MP:0001504] increased circulating follicle stimulating hormone level [MP:0001750] increased circulating luteinizing hormone level [MP:0001751] increased inflammatory response [MP:0001846] reduced female fertility [MP:0001923] decreased litter size [MP:0001935] increased adrenal gland tumor incidence [MP:0002031] premature death [MP:0002083] abnormal fertility/fecundity [MP:0002161] abnormal Sertoli cell morphology [MP:0002784] increased intestinal adenocarcinoma incidence [MP:0002957] abnormal cytokine secretion [MP:0003009] colon polyps [MP:0003269] intestinal obstruction [MP:0003270] decreased susceptibility to kidney reperfusion injury [MP:0004042] lethargy

[MP:0005202]| decreased oocyte number [MP:0005431]| decreased circulating creatinine level [MP:0005554]| decreased blood urea nitrogen level [MP:0005566]| increased ovary tumor incidence [MP:0008000]| abnormal circulating interleukin-6 level [MP:0008595]| decreased interleukin-6 secretion [MP:0008706]| increased colon adenocarcinoma incidence [MP:0009314]| abnormal secondary ovarian follicle morphology [MP:0009363]| abnormal cumulus expansion [MP:0009373]| increased adenoma incidence [MP:0010383]

Affected Gene: |Smad3|Smad2|Cd4|cre|

Catalog Number: 036953-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:22219364](#), [PMID:9753318](#), [PMID:12842913](#)

Alternate IDs: MMRRC_36953-UNC, MMRRC_036953, MMRRC_36953

Organism Name: B6.Cg-Smad3^{tm1Par} Smad2^{tm2Rob} Tg(Cd4-cre)1Cwi/2AchMmnc

Record Creation Time: 20230308T055148+0000

Record Last Update: 20260801T124342+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Smad3^{tm1Par} Smad2^{tm2Rob} Tg(Cd4-cre)1Cwi/2AchMmnc.

No alerts have been found for B6.Cg-Smad3^{tm1Par} Smad2^{tm2Rob} Tg(Cd4-cre)1Cwi/2AchMmnc.

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.