

Resource Summary Report

Generated by [dkNET](#) on Aug 2, 2026

[Vegfa^{tm1Pec}/Vegfa^{tm1Pec}](#)

RRID:MGI:3047228

Type: Organism

Proper Citation

RRID:MGI:3047228

Organism Information

URL:

Proper Citation: RRID:MGI:3047228

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: enlarged myocardial fiber, decreased neuron number, increased neuron apoptosis, abnormal blood vessel morphology, myocardial fiber degeneration, abnormal T wave, decreased capillary density, increased capillary tortuosity, abnormal neuronal migration, abnormal facial motor nucleus morphology, lethargy, dilated capillary, irregular heartbeat, hemorrhage, enlarged heart, decreased left ventricle systolic pressure, decreased heart rate, decreased cardiac muscle contractility, decreased body weight, decreased angiogenesis, cardiac ischemia, renal glomerulus hypertrophy, abnormal venule morphology, dilated capillary, neonatal lethality, incomplete penetrance, abnormal arteriole morphology, abnormal artery morphology, abnormal glomerular capillary endothelium morphology, abnormal sarcomere morphology, abnormal retinal vasculature morphology, pulmonary trunk hypoplasia, abnormal third pharyngeal arch artery morphology, abnormal capillary morphology, decreased lymphocyte cell number, abnormal thymus morphology, aorta pulmonary collateral arteries, thymus hypoplasia, abnormal vascular regression, short mandible, right aortic arch, abnormal blood vessel morphology, ventricular septal defect, absent incisors, persistent right dorsal aorta, absent parathyroid glands, athymia, interrupted aortic arch, ectopic thymus, abnormal capillary morphology, abnormal coronary artery morphology, retroesophageal right subclavian artery, persistent truncus arteriosus, cervical aortic arch, overriding aortic valve, double aortic arch, cleft palate, abnormal coronal suture morphology, cyanosis, abnormal heart morphology, abnormal mandible morphology, abnormal fourth pharyngeal arch artery morphology, abnormal pharyngeal arch artery morphology, abnormal coronary vessel morphology, abnormal carotid artery morphology, abnormal artery morphology, persistent

ductus caroticus, abnormal kidney blood vessel morphology, abnormal retinal vasculature morphology, abnormal sixth pharyngeal arch artery morphology, persistence of hyaloid vascular system, retinal hemorrhage, small kidney, abnormal mesangial cell morphology, abnormal kidney interlobular artery morphology, increased circulating creatinine level, abnormal loop of Henle morphology, abnormal kidney arterial blood vessel morphology, abnormal renal glomerulus basement membrane thickness, abnormal myocardial fiber morphology, increased blood urea nitrogen level, renal ischemia, abnormal glomerular capillary morphology, glomerulosclerosis, expanded mesangial matrix, abnormal kidney afferent arteriole morphology, abnormal renal glomerulus basement membrane morphology, abnormal proximal convoluted tubule morphology, decreased glomerular capillary number, decreased renal glomerular filtration rate, abnormal peritubular capillary morphology, abnormal pericyte morphology, dilated proximal convoluted tubules, pale kidney, prolonged QRS complex duration, abnormal kidney efferent arteriole morphology, decreased renal glomerulus number, abnormal kidney blood vessel morphology, abnormal impulse conducting system conduction, abnormal coronary artery morphology, abnormal cardiac muscle relaxation, abnormal capillary morphology, abnormal ST segment, abnormal nephrogenic zone morphology, thick pulmonary interalveolar septum, respiratory distress, atelectasis, prolonged QT interval, postnatal lethality, complete penetrance, abnormal heart morphology, neonatal lethality, incomplete penetrance, abnormal lung development, abnormal cardiovascular system physiology

Affected Gene: Vegfa

Genomic Alteration: tm1Pec

Catalog Number: 3047228

Background: involves: 129S1/Sv * 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15545635](#), [PMID:11827992](#), [PMID:21828096](#), [PMID:12039984](#), [PMID:12539040](#), [PMID:12053176](#), [PMID:10229225](#)

Organism Name: Vegfa^{tm1Pec}/Vegfa^{tm1Pec}

Record Creation Time: 20240120T190654+0000

Record Last Update: 20240130T202036+0000

Ratings and Alerts

No rating or validation information has been found for Vegfa^{tm1Pec}/Vegfa^{tm1Pec}.

No alerts have been found for Vegfa^{tm1Pec}/Vegfa^{tm1Pec}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.