OSSAPIG-NF-NF1(NS) MINIATURE SWINE- nf1 hindiii restriction fragment length polymorphism (rflp) positive for nf1-r1947x nf1(ns) allele in ossabaw breed swine not applicable Recombinetics, Inc.

OssaPig-NF-NF1(NS) Miniature Swine

Identity: Transcription activator-like effector nuclease (TALEN) edit and homology dependent repair in Ossabaw breed porcine fetal fibroblasts to introduce four base substitution mutations into one copy of the NF1 gene of Sus scrofa chromosome 12 (NC_010454.4). The C>T base substitution at base pair 43,530,892 generates a premature stop codon in the coding sequence for the neurofibromin protein and the G>T base substitution at base pair 43,308,860 generates a HindIII restriction enzyme site used to genotype progeny from gene edited founders. The other two substitutions, C>T at 43,530,872 and T>C at 43,530,899, occur in the TALEN binding sites and are included to inhibit TALEN rebinding in the edited embryos.

Claim: Loss of NF1 gene function as a result of this gene edit in the Ossabaw breed of swine produces symptoms consistent with the National Institutes of Health (NIH) criteria for diagnosis of Neurofibromatosis Type I disease in humans.

Limitations: This is a model of progressive disease. Some of the disease symptoms associated with Neurofibromatosis Type I disease in humans take time to develop, and like the human disease, are variable in presentation from animal to animal.

Product Use: Model animals and/or materials derived from these animals are intended for purchase only under license agreement with Recombinetics, Inc., and solely for use in connection with the specific licensed biomedical research.

Conditions of Use: This model animal and any products derived from it are for biomedical research purposes only and not for use in humans. This is an investigational animal. Edible products of investigational animals are not to be used for food unless authorization has been granted by the U.S. Food and Drug Administration or by the U.S. Department of Agriculture.

WARNINGS & PRECAUTIONS:

Caution. This intentionally genetically altered animal and any products derived from it are for biomedical research purposes only and are not for use in humans or as human or animal food.

OssaPig-NF-NF1(NS) animals are not for resale. No reproduction, distribution, transportation, or other third party transfer is allowed by the purchaser unless specifically agreed to in writing by Recombinetics, Inc.

OssaPig-NF-NF1(NS) animals, or any materials derived from the OssaPig-NF-NF1(NS) animals, are not intended to enter the human or animal food supply.

OssaPig-NF-NF1(NS) animals shall be euthanized in accordance with all applicable regulatory or industry standards, and all animal remains must be disposed of by incineration. Purchaser must maintain detailed records accounting for the location of all OssaPig-NF-NF1(NS) animals, and all materials derived from the OssaPig-NF-NF1(NS) animals, from the time the animals are delivered to Purchaser through disposition by incineration. Final disposition notification must be made to Recombinetics, Inc.



OssaPig-NF-NF1(NS) Miniature Swine



Certificate of Animal Health & Identification

Animal Identification		
Ear Notch ID	Birth Date	
Ear Tag ID	Dam ID	
Sex	Boar ID	

Genotype: NF1 Hindill restriction fragment length polymorphism (RFLP) positive for one copy of NF1^{R1907}

Pedigree Description:

Pre-Shipment Veterinary Health Status Reviewed On: _

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Manufactured, packaged & distributed by Recombinetics, Inc.

For more information, contact:

Customer Support: 612-727-2000

Recombinetics, Inc. www.recombinetics.com

3388 Collins Drive

Eagan, MN 55121 USA

OSSAPIG-NF-NF1(NS) MINIATURE SWINE

Date

nf1 hindiii restriction fragment length polymorphism (rflp) positive for nf1-r1947x nf1(ns) allele in ossabaw breed swine not applicable

Product Inform	nation							
Product Type			Item Code (Source)		NDC:860	NDC:86086-005		
Route of Adminis	tration	NOT APPLICABLE						
Active Ingredient/Active Moiety								
Ingredient Name				Basis of Strength		Strength		
SUS SCROFA (G.(NC_010454.4)43530860G>T + 43530872C>T + 43530892C>T + 43530899T>C) ONE COPY IN OSSABAW BREED MINIATURE SWINE (UNII: J64839N3EH) (SUS SCROFA (G.(NC_010454.4)43530860G>T + 43530872C>T + 43530892C>T + 43530899T>C) ONE COPY IN OSSABAW BREED MINIATURE SWINE - UNII: J64839N3EH)				SUS SCROFA (G.(NC_010454.4)43530860G>T + 43530872C>T + 43530892C>T + 43530899T>C) ONE COPY IN OSSABAW BREED MINIATURE SWINE				
Packaging								
# Item Code	Packa	ge Description	Marketing	g Start Date	Marketing	End Date		
1 NDC:86086-005-0	1 [arb'U] ir	1 NOT APPLICABLE						
Marketing Information								
Marketing Category	Applicat	tion Number or Monograph Citation		Marketing St Date		Marketing End Date		

Labeler - Recombinetics, Inc. (829874523)

Registrant - Recombinetics, Inc. (829874523)

Establishment

Name	Address	ID/FEI	Business Operations
Recombinetics, Inc.		080987344	manufacture

Revised: 7/2024

Recombinetics, Inc.