

OSSAPIG-LD-NASH MINIATURE SWINE- pnpla3 hindiii restriction fragment length polymorphism (rflp) positive for one or two copies of pnpla3-i148m not applicable Recobimbinetics, Inc.

OssaPig-LD-NASH Miniature Swine

Identity: Transcription activator-like effector nuclease (TALEN) edit and homology dependent repair in Ossabaw breed porcine fetal fibroblasts to introduce a CTC>GAA base substitution at base pairs 5,087,871-5,087,873 that generates a HindIII restriction enzyme site used to genotype progeny from gene edited founders, a C>G base substitution at base pair 5,087,864 that creates a coding sequence change from isoleucine to methionine at amino acid 148 of the swine PNPLA3 protein, and synonymous base substitutions; T>C at base pair 5,087,861 and G>C at base pair 5,087,858 and GAC>CTG at base pairs 5,087,853-5,087,855.

Claim: Change of PNPLA3 gene function as a result of this gene edit in the Ossabaw breed of swine reproduces the human genetic polymorphism associated with diagnosis of non-alcoholic steatohepatitis (NASH).

Limitations: This is a model of progressive disease. Disease symptoms associated with non-alcoholic steatohepatitis 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.

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-LD-NASH 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-LD-NASH animals, or any materials derived from the OssaPig-LD-NASH animals, are not intended to enter the human or animal food supply.
 OssaPig-LD-NASH 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-LD-NASH animals, and all materials derived from the OssaPig-LD-NASH animals, from the time the animals are delivered to Purchaser through disposition by incineration. Final disposition notification must be made to Recombinetics, Inc.



Certificate of Animal Health & Identification

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

Genotype: PNPLA3 HindIII restriction fragment length polymorphism (RFLP) Positive for one or two copies of PNPLA3^{i148m}

Pedigree Description:

Pre-Shipment Veterinary Health Status Reviewed On: _____ Date

WARNINGS & PRECAUTIONS:

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OssaPig-LD-NASH Miniature Swine (See sample g./NC_035467.3) 5087853-5087858GAC-CTG + 5087861-C + 5087862-T-C + 5087864-C-G + 5087871-5087873CTC-GAA in Ossabaw breed miniature swine



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Manufactured, packaged & distributed by Recombinetics, Inc.

For more information, contact:

Customer Support: 612-727-2000

RecombInetics, Inc. www.recombInetics.com

1240 University Avenue West, Suite 300

Saint Paul, MN 55108 USA

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pnpla3 hindiii restriction fragment length polymorphism (rflp) positive for one or two copies of pnpla3-i148m not applicable

Product Information

Product Type		Item Code (Source)	NDC:86086-004
Route of Administration	NOT APPLICABLE		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
SUS SCROFA G.(NC_010447.5) 5087853-5087855GAC>CTG+5087858G>C+5087861T>C+5087864C>G+5087871-5087873CTC>GAA ALTERATION TO EXON 3 OF PNPLA3 GENE IN OSSABAW BREED MINIATURE SWINE (UNII: L6JJ1CLP4K) (SUS SCROFA G.(NC_010447.5) 5087853-5087855GAC>CTG+5087858G>C+5087861T>C+5087864C>G+5087871-5087873CTC>GAA ALTERATION TO EXON 3 OF PNPLA3 GENE IN OSSABAW BREED MINIATURE SWINE - UNII:L6JJ1CLP4K)	SUS SCROFA G.(NC_010447.5) 5087853-5087855GAC>CTG+5087858G>C+5087861T>C+5087864C>G+5087871-5087873CTC>GAA ALTERATION TO EXON 3 OF PNPLA3 GENE IN OSSABAW BREED MINIATURE SWINE	1 [arb'U] in 1 [arb'U]

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:86086-004-01	1 [arb'U] in 1 NOT APPLICABLE		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
unapproved drug other		01/06/2020	

Labeler - Recobimbinetics, Inc. (829874523)

Registrant - Recobimbinetics, Inc. (829874523)

Establishment

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

Revised: 7/2024

Recobimbinetics, Inc.