PRLR-SLICK CATTLE- prir gene edit in at least one copy producing protein truncation at or between amino acids 433 to 497 not applicable Recombinetics, Inc.

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#### **PRLR-SLICK Cattle**

Identity: CRISPR-Cas9 editing with or without homology dependent repair in heatsusceptible beef breeds to introduce mutations into at least one copy of the PRLR gene of Bos taurus chromosome 20 (NC\_037347.1). The intended mutations generate a premature stop codon in the coding sequence resulting in a truncated PRLR protein and a SLICK coat phenotype.

Claim: Mutations causing PRLR protein truncation at or between amino acids 433 to 497 produce a SLICK coat phenotype that is reported to be linked to increased thermotolerance in Bos taurus species raised in sub-tropical environments.

Product Use: Founder animals are intended for production and sale of seed stock and/or embryos to enable the establishment of PRLR-SLICK thermotolerant beef herds that will be used as a food source. Due to the specific process used to produce these animals, they may have 2 or more genetically different sets of cells, and as a result the PRLR-SLICK thermotolerant phenotype may not be inherited by all first generation progeny.





### PRLR-SLICK CATTLE

prir gene edit in at least one copy producing protein truncation at or between amino acids 433 to 497 not applicable

#### **Product Information**

	Product Type	CONSTRUCT LABEL	(Source)	NDC:80080-
Route of Administration NC		NOT APPLICABLE		

Active Ingredient/Active Moiety				
Ingredient Name	Basis of Strength	Strength		
SLICK ALTERATION DISRUPTING BOS TAURUS G.(NC_037347.1) FS(39099129-39099368) IN EXON 9 OF PRLR GENE IN BOS TAURUS (UNII: B8K52Z76YK) (SLICK ALTERATION DISRUPTING BOS TAURUS G.(NC_037347.1) FS(39099129-39099368) IN EXON 9 OF PRLR GENE IN BOS TAURUS - UNII:B8K52Z76YK)	SLICK ALTERATION DISRUPTING BOS TAURUS G.(NC_037347.1) FS(39099129-39099368) IN EXON 9 OF PRLR GENE IN BOS TAURUS	1 [arb'U] in 1 [arb'U]		

P	Packaging			
#	Item Code	Package Description	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
1	NDC:86086-006-01	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		03/01/2022	
other		,,	

# **Labeler -** Recombinetics, Inc. (829874523)

## Registrant - Acceligen, Inc. (108237218)

Establishment				
Name	Address	ID/FEI	Business Operations	
Recombinetics, Inc.		829874523	api manufacture	

Revised: 1/2022 Recombinetics, Inc.