

Product sheet

INS-1 | 300471

INS-1

**Description**  
INS-1 is a mouse strain that carries a mutation in the insulin gene (INS1). This mutation results in a truncated insulin protein that is unable to bind to its receptor, leading to severe insulin resistance and diabetes. The strain is characterized by hyperglycemia, polyuria, and polydipsia. It is a valuable model for studying the pathogenesis of type 2 diabetes and the effects of insulin resistance on metabolic health.

**Organism** Mouse

**Tissue** Adipose, Liver, Pancreas

**Disease** Diabetes Mellitus

**Synonyms** INS1

INS-1

**Breed/Subspecies** NEDH

**Age** 666 days

**Gender** Male

**Cell type** Adipocytes

**Growth properties** Spontaneous

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**Citation** INS-1 (INS1) Cytion 300471

**Biosafety level** 1

**NCBI\_TaxID** 10116

**CellosaurusAccession** CVCL\_0352

INS-1



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**Freezing Procedure** [redacted] -78°C

**Shipping Conditions** [redacted] -78°C

**Storage Conditions** [redacted] -150 to 196

[redacted] / [redacted] / HLA

**Sterility** [redacted]  
[redacted]