

Resource Summary Report

Generated by [ASWG](#) on Aug 30, 2026

NOD.Cg-B2m^{tm1Unc} Mcph1 Tg(B2M)55Hpl/DvsJ

RRID:IMSR_JAX:004548

Type: Organism

Proper Citation

RRID:IMSR_JAX:004548

Organism Information

URL: <https://www.jax.org/strain/004548>

Proper Citation: RRID:IMSR_JAX:004548

Description: Mus musculus with name NOD.Cg-B2m^{tm1Unc} Mcph1 Tg(B2M)55Hpl/DvsJ from IMSR.

Species: Mus musculus

Synonyms: NOD.Cg-B2m Tg(B2M)55Hpl Tg(HLA-A2.1)1Enge/Dvs. NOD.Cg-TgN(HLA-A2.1)1Enge B2m Tg(B2M)55Hpl/Dvs. NOD.Cg-B2m Tg(B2M)55Hpl Tg(HLA-A2.1)1Enge/DvsJ

Notes: gene symbol note: beta-2-microglobulin|beta-2 microglobulin|transgene insertion 55; Hidde Ploegh|major histocompatibility complex; class I; subtype A2.1|major histocompatibility complex; class I; A|microcephaly; primary autosomal recessive 1; congenic strain: B2M|B2m|Tg(B2M)55Hpl|HLA-A2.1|HLA-A|Mcph1

Affected Gene: beta-2-microglobulin|beta-2 microglobulin|transgene insertion 55; Hidde Ploegh|major histocompatibility complex; class I; subtype A2.1|major histocompatibility complex; class I; A|microcephaly; primary autosomal recessive 1

Genomic Alteration: transgene insertion 55; Hidde Ploegh|targeted mutation 1; University of North Carolina|transgene insertion 1; Victor H Engelhard

Catalog Number: JAX:004548

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: NOD.Cg-B2m^{tm1Unc} Mcph1 Tg(B2M)55Hpl/DvsJ

Record Creation Time: 20250513T053645+0000

Record Last Update: 20260829T044937+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-B2m^{tm1Unc} Mcph1 Tg(B2M)55Hpl/DvsJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We have not found any literature mentions for this resource.