

Resource Summary Report

Generated by [NIF](#) on Aug 7, 2026

NOD.Cg-Rag1^{tm1Mom} H2-Ab1 Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1EII/EIJ

RRID:IMSR_JAX:006022

Type: Organism

Proper Citation

RRID:IMSR_JAX:006022

Organism Information

URL: <https://www.jax.org/strain/006022>

Proper Citation: RRID:IMSR_JAX:006022

Description: Mus musculus with name NOD.Cg-Rag1^{tm1Mom} H2-Ab1 Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1EII/EIJ from IMSR.

Species: Mus musculus

Synonyms: NOD.Cg-Rag1 H2-Ab1 Tg(CD2-CD4.HLA-DQA1*0301.HLA-DQB1*0302)1EII/EIJ. NOD.Cg-Rag1 H2-Ab1 Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1EII/EIJ

Notes: gene symbol note: major histocompatibility complex; class II; DQ alpha 1|CD4 molecule|major histocompatibility complex; class II; DQ beta 1|CD2 molecule|transgene insertion 1; John F Elliott|histocompatibility 2; class II antigen A; beta 1|recombination activating 1; mutant strain|congenic strain: HLA-DQA1|CD4|HLA-DQB1|CD2|Tg(CD2-CD4;HLA-DQA1;HLA-DQB1)1EII|H2-Ab1|Rag1

Affected Gene: major histocompatibility complex; class II; DQ alpha 1|CD4 molecule|major histocompatibility complex; class II; DQ beta 1|CD2 molecule|transgene insertion 1; John F Elliott|histocompatibility 2; class II antigen A; beta 1|recombination activating 1

Genomic Alteration: transgene insertion 1; John F Elliott|targeted mutation 1; Michael J Grusby|targeted mutation 1; Peter Mombaerts

Catalog Number: JAX:006022

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: NOD.Cg-Rag1^{tm1Mom} H2-Ab1 Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1EII/EIIJ

Record Creation Time: 20250513T053654+0000

Record Last Update: 20260801T050358+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-Rag1^{tm1Mom} H2-Ab1 Tg(CD2-CD4.HLA-DQA1.HLA-DQB1)1EII/EIIJ.

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 found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Michels AW, et al. (2017) Islet-Derived CD4 T Cells Targeting Proinsulin in Human Autoimmune Diabetes. Diabetes, 66(3), 722.