

# Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

## NOD.Cg-Rag1<sup>tm1Mom</sup> H2-Ab1 Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIIJ

RRID:IMSR\_JAX:006024

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:006024

### Organism Information

**URL:** <https://www.jax.org/strain/006024>

**Proper Citation:** RRID:IMSR\_JAX:006024

**Description:** Mus musculus with name NOD.Cg-Rag1<sup>tm1Mom</sup> H2-Ab1 Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIIJ from IMSR.

**Species:** Mus musculus

**Synonyms:** NOD.Cg-Rag1 H2-Ab1 Tg(CD4.HLA-DQA1\*0102.HLA-DQB1\*0602)1EII/EIIJ. NOD.Cg-Rag1 Ab1 Tg(CD4. HLA-DQA\*0102. HLA-DQB\*0602)1EII/EIIJ. NOD.Cg-Rag1 H2-Ab1 Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIIJ. NOD.Cg-Rag1 H2-Ab1 Tg(CD4. HLA-DQA\*0102. HLA-DQB\*0602)1EII/EIIJ

**Notes:** gene symbol note: CD4 molecule|transgene insertion N8; John F Elliott|recombination activating 1|histocompatibility 2; class II antigen A; beta 1|major histocompatibility complex; class II; DQ alpha 1|major histocompatibility complex; class II; DQ beta 1; mutant strain|congenic strain: CD4|Tg(CD4;HLA-DQA1;HLA-DQB1)N8EII|Rag1|H2-Ab1|HLA-DQA1|HLA-DQB1

**Affected Gene:** CD4 molecule|transgene insertion N8; John F Elliott|recombination activating 1|histocompatibility 2; class II antigen A; beta 1|major histocompatibility complex; class II; DQ alpha 1|major histocompatibility complex; class II; DQ beta 1

**Genomic Alteration:** transgene insertion N8; John F Elliott|targeted mutation 1; Peter Mombaerts|targeted mutation 1; Michael J Grusby

**Catalog Number:** JAX:006024

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** NOD.Cg-Rag1<sup>tm1Mom</sup> H2-Ab1 Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIJ

**Record Creation Time:** 20250513T053654+0000

**Record Last Update:** 20260905T044437+0000

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## Ratings and Alerts

No rating or validation information has been found for NOD.Cg-Rag1<sup>tm1Mom</sup> H2-Ab1 Tg(CD4.HLA-DQA1.HLA-DQB1)N8EII/EIJ.

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

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.