genOway | ULTIMATE PREDICTABILITY

genO-hcGAS (scan or click)

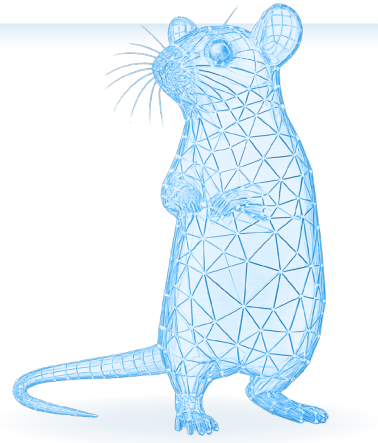
HUMANIZED genO-hcGAS MOUSE MODEL

The genO-hcGAS mouse enables the *in vivo* assessment of agents and therapies targeting the cGAS–STING cytosolic DNA sensing pathway in fully immunocompetent mice.

APPLICATIONS

genO-hcGAS drives advances across **immuno-oncology** and **infectious diseases**:

- ☑ Assess the **efficacy** of cGAS-targeting compounds
- ☑ Gain insights into the mechanism of action (MOA) of diverse constructs and their potential therapeutic benefits



MODEL FEATURES

- ☑ Physiological regulation and expression of human cGAS
- ☑ Fully functional mouse immune system
- ☑ Lack of expression of the murine target gene

ORDERS, DELIVERY & CARE

- ☑ Orders are made directly with genOway; breeding, housing and delivery are outsourced
- ☑ Breeding facilities in the US and Europe through our trusted partners:

TACONIC BIOSCIENCES charles river

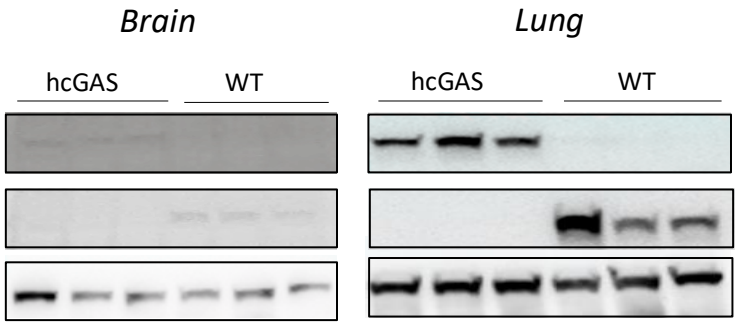
- ☑ Quick, compliant, and reliable door-to-door delivery worldwide at your facility or at the CRO of your choice
- ☑ Models with certified **SOPF** health status from **AAALAC-accredited** and **PHS-assured** professional breeders

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genO-hcGAS (scan or click)

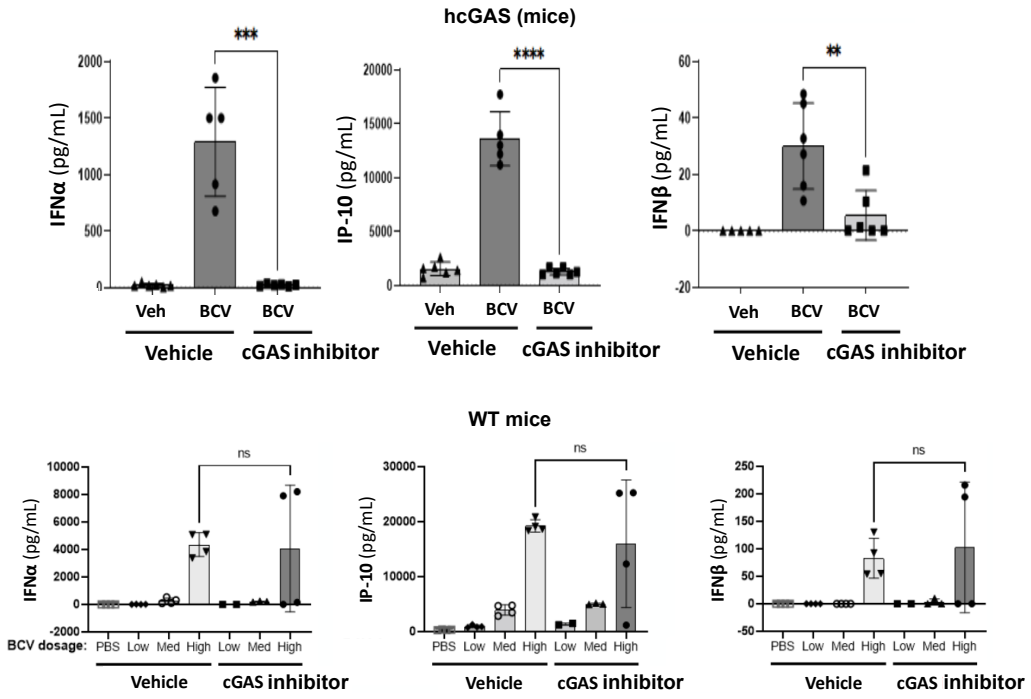
SELECTED VALIDATION DATA

More data available on our website or upon request



Human cGAS expression in brain and lung of genO-hcGAS humanized mice

Human cGAS inhibitor prevents BCV-induced cytokine release in genO-hcGAS, but not in WT mice



KEY PUBLICATIONS

Novel preclinical immunocompetent mouse model for assessment of immunotherapies targeting cGAS-STING axis

Pappalardo et al., 2026 - Poster presented at AACR

RELATED MODELS

genO-hcGAS/hSTING | **genO-hSTING**

For more information

Visit the genO-hcGAS page

For further inquiries

Contact Us