

# Gla-KO

|      |                                            |
|------|--------------------------------------------|
| 品系全名 | C57BL/6Smoc- <i>Gla</i> <sup>em1Smoc</sup> |
| 目录号  | NM-KO-200601                               |
| 品系状态 | 活体                                         |

## 基因信息

|            |            |                                     |
|------------|------------|-------------------------------------|
| 基因名<br>Gla | 基因曾用名      | Ags                                 |
|            | NCBI ID    | <a href="#">11605</a>               |
|            | MGI ID     | <a href="#">1347344</a>             |
|            | Ensembl ID | <a href="#">ENSMUSG000000031266</a> |
|            | 人类同源基因     | GLA                                 |

## 品系描述

敲除Gla基因exon 2-3，建立Gla基因敲除小鼠模型。

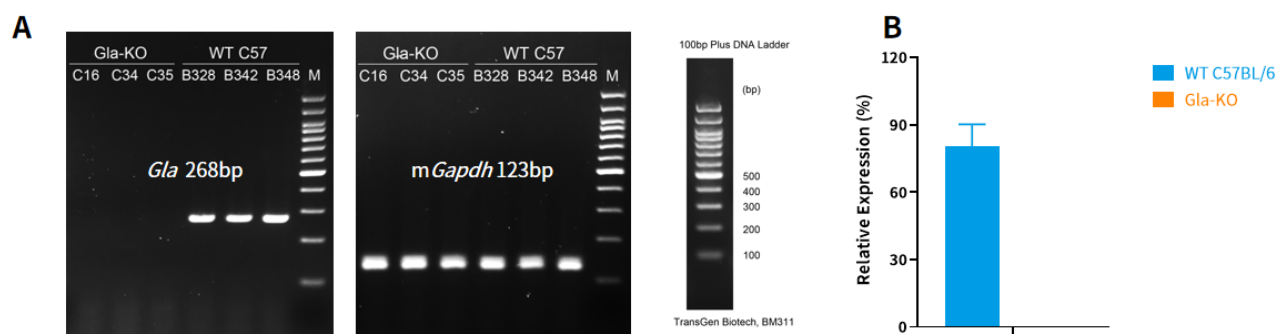
**应用领域：**法布雷病（Fabry Disease）等相关研究

\*使用本品系发表的文献需注明: Gla-KO mice (Cat. NO. NM-KO-200601) were purchased from Shanghai Model Organisms Center, Inc..

## 疾病预测

|                         |         |                                                                                                                                                                                                                                                       |
|-------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fabry病<br>Fabry Disease | 近似模型的表型 | <a href="#">MGI:2183938</a>                                                                                                                                                                                                                           |
|                         | 参考文献    | Ohshima T, Murray GJ, Swaim WD, Longenecker G, Quirk JM, Cardarelli CO, Sugimoto Y, Pastan I, Gottesman MM, Brady RO, Kulkarni AB, alpha-Galactosidase A deficient mice: a model of Fabry disease. Proc Natl Acad Sci U S A. 1997 Mar 18;94(6):2540-4 |

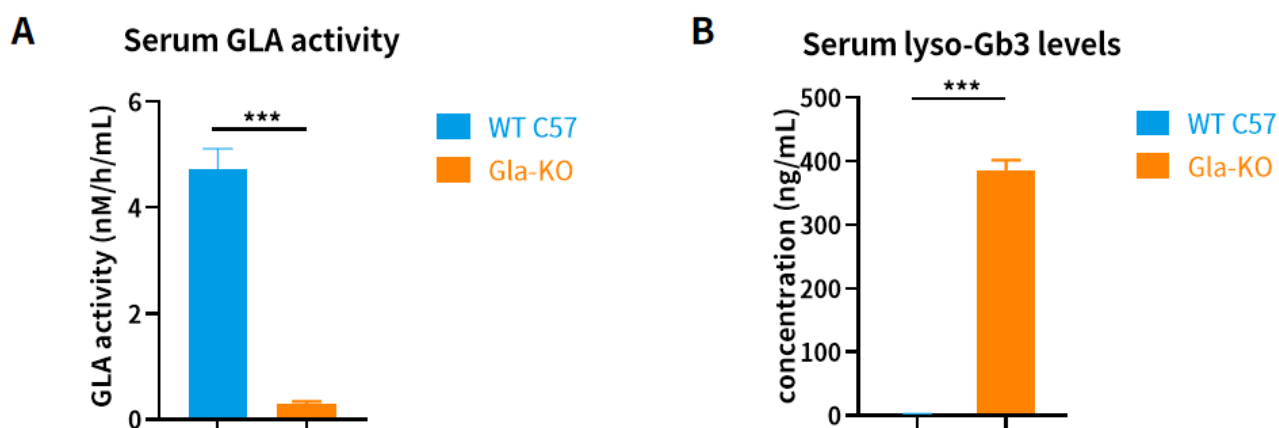
## 验证数据



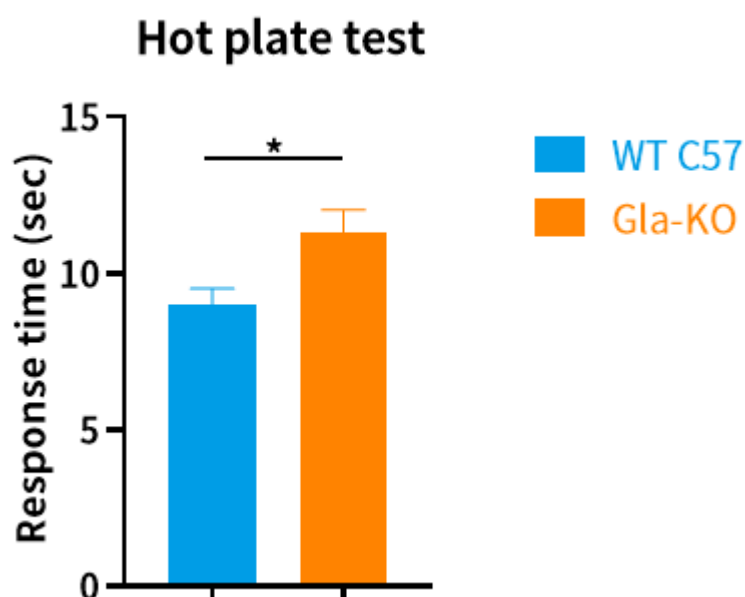
**Fig1. Detection of Glu expression in brain by RT-PCR (A) and qPCR (B).**

Wild type: only one band at 268 bp with primers F1/R1(mGlu).

Abbr. M, DNA marker; WT, wild type.



**Fig2. Detection of serum GLA activity (A) and serum lyso-Gb3 levels (B) in 14 weeks old male Gla-KO mice. (Data from the collaborator)**



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**Fig3. Hot plate test of 14 weeks old male Gla-KO mice.** (Data from the collaborator)

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