

# Gnpat-KO

|      |                                              |
|------|----------------------------------------------|
| 品系全名 | C57BL/6Smoc- <i>Gnpat</i> <sup>em1Smoc</sup> |
| 目录号  | NM-KO-201285                                 |
| 品系状态 | 胚胎冻存                                         |

## 基因信息

|              |            |                                    |
|--------------|------------|------------------------------------|
| 基因名<br>Gnpat | 基因曾用名      | DHAPAT, AU019525, D1Ert819e        |
|              | NCBI ID    | <a href="#">14712</a>              |
|              | MGI ID     | <a href="#">1343460</a>            |
|              | Ensembl ID | <a href="#">ENSMUSG00000031985</a> |
|              | 基因标记细胞类型举例 | 肺成纤维细胞                             |
|              | 人类同源基因关联疾病 | 软骨发育不良、精神分裂症                       |

## 品系描述

敲除Gnpat基因exon 3-4，建立Gnpat基因敲除小鼠模型。曾有基因修饰致死报导，详情点击基因信息中的MGI ID。

\*使用本品系发表的文献需注明: Gnpat-KO mice (Cat. NO. NM-KO-201285) were purchased from Shanghai Model Organisms Center, Inc..

## 疾病预测

|                                                                   |         |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 根状软骨发育不良点状2型<br>Rhizomelic<br>Chondrodysplasia Punctata<br>Type 2 | 近似模型的表型 | <a href="#">MGI:2670462</a>                                                                                                                                                                                                                                           |
|                                                                   | 参考文献    | Rodemer C, Thai TP, Brugger B, Kaercher T, Werner H, Nave KA, Wieland F, Gorgas K, Just WW, Inactivation of ether lipid biosynthesis causes male infertility, defects in eye development and optic nerve hypoplasia in mice. Hum Mol Genet. 2003 Aug 1;12(15):1881-95 |

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|------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>精神疾病</b><br><b>Disease Of Mental Health</b> | <b>近似模型的表型</b> | <a href="#">MGI:6423170</a>                                                                                                                                                                                               |
|                                                | <b>参考文献</b>    | Dorninger F, Gundacker A, Zeitler G, Pollak DD, Berger J, Ether Lipid Deficiency in Mice Produces a Complex Behavioral Phenotype Mimicking Aspects of Human Psychiatric Disorders. Int J Mol Sci. 2019 Aug 13;20(16):3929 |

## 验证数据

暂无数据