

# Park7-KO

|                     |                                              |
|---------------------|----------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Park7</i> <sup>em1Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KO-191006                                 |
| <b>Strain State</b> | Embryo cryopreservation                      |

## Gene Summary

|                                    |                       |                                    |
|------------------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br><b>Park7</b> | <b>Synonyms</b>       | Dj1, DJ-1                          |
|                                    | <b>NCBI ID</b>        | <a href="#">57320</a>              |
|                                    | <b>MGI ID</b>         | <a href="#">2135637</a>            |
|                                    | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000028964</a> |
|                                    | <b>Human Ortholog</b> | PARK7                              |

## Model Description

Exon 3-5 of Park7 gene was deleted to generate Park7 knockout mice.

**Research Application:** a sensor for oxidative stress, autosomal recessive early-onset Parkinson disease 7

\*Literature published using this strain should indicate: Park7-KO mice (Cat. NO. NM-KO-191006) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                              |                     |                                                                                                                                                                                                                                                                                                     |
|------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Parkinson's Disease 7</b> | <b>Phenotype(s)</b> | <a href="#">MGI:3576369</a>                                                                                                                                                                                                                                                                         |
|                              | <b>Reference(s)</b> | Rousseaux MW, Marcogliese PC, Qu D, Hewitt SJ, Seang S, Kim RH, Slack RS, Schlossmacher MG, Lagace DC, Mak TW, Park DS, Progressive dopaminergic cell loss with unilateral-to-bilateral progression in a genetic model of Parkinson disease. Proc Natl Acad Sci U S A. 2012 Sep 25;109(39):15918-23 |

## Validation Data

No data

