

# Crbn-KO

|                     |                                             |
|---------------------|---------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Crbn</i> <sup>em1Smoc</sup> |
| <b>Cat. NO.</b>     | TBD                                         |
| <b>Strain State</b> | Developing                                  |

## Gene Summary

|                            |                       |                                                       |
|----------------------------|-----------------------|-------------------------------------------------------|
| <b>Gene Symbol</b><br>Crbn | <b>Synonyms</b>       | piL, AF229032, AW108261, 2610203G15Rik, 2900045007Rik |
|                            | <b>NCBI ID</b>        | <a href="#">58799</a>                                 |
|                            | <b>MGI ID</b>         | <a href="#">1913277</a>                               |
|                            | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000005362</a>                    |
|                            | <b>Human Ortholog</b> | CRBN                                                  |

## Model Description

Exon 2 of Crbn gene was deleted to generate Crbn knockout mice.

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

## Disease Connection

|                                                                  |                     |                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>autosomal recessive non-syndromic intellectual disability</b> | <b>Phenotype(s)</b> | <a href="#">MGI:5302204</a>                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                  | <b>Reference(s)</b> | Bavley CC, Rice RC, Fischer DK, Fakira AK, Byrne M, Kosovsky M, Rizzo BK, Del Prete D, Alaedini A, Moron JA, Higgins JJ, D'Adamio L, Rajadhyaksha AM, Rescue of Learning and Memory Deficits in the Human Nonsyndromic Intellectual Disability Cereblon Knock-Out Mouse Model by Targeting the AMP-Activated Protein Kinase-mTORC1 Translational Pathway. J Neurosci. 2018 Mar 14;38(11):2780-2795 |

## Validation Data

No data

