

[Mouse Models](#)[SPG7](#)[Publication](#)

# eSpg7 KO

## IDENTIFICATION

|                         |                                    |
|-------------------------|------------------------------------|
| Causal gene(s)          | SPG7                               |
| Repeat size or mutation | Spg7 and Afg3l1 full body knockout |
| Animal model            | Mouse                              |

## MODEL DETAILS

|                           |          |
|---------------------------|----------|
| Mouse strain / background | C57BL/6N |
| Type of model             | Knockout |

## PHENOTYPE

|                   |  |
|-------------------|--|
| Progression       | Progressive  |
| Hallmark features | Progressive spastic-ataxia, degeneration of axons in spinal cord and cerebellum, mitochondrial abnormalities |

## SOURCE & PUBLICATIONS

|   |   |
|---|---|
| Originating lab / institution             | University of Cologne   |
| Links to publications or public resources | SARM1 deletion delays cerebellar but not spinal cord degeneration in an enhanced mouse model of SPG7 deficiency - PubMed<br><a href="https://pubmed.ncbi.nlm.nih.gov/37086482/">https://pubmed.ncbi.nlm.nih.gov/37086482/</a> |