Mouse Models MSA/OPCA Publication

Thy-1 ?SYN mice (Line 61)

IDENTIFICATION

Causal gene(s)	Sporadic
Repeat size or mutation	WT and mutant (A30P) human ?-synuclein
Animal model	Mouse

MODEL DETAILS

Mouse strain / background	C57BL/6 × DBA/2F1
Type of model	Transgenic

TRANSGENIC CONSTRUCT

Transgenic construct: sequence type	cDNA for human ?-synuclein expression
Transgenic construct: details	wt h?-synuclein cDNA fragment (nt 53–475) were inserted into the mThy-1 expression cassette between exons 2 and 4
Promoter: gene	Thy-1
Promoter: species	Mouse

PHENOTYPE

Hallmark features	intraneuronal inclusions

SOURCE & PUBLICATIONS

Originating lab / institution	University of California
Links to publications or public resources	Differential neuropathological alterations in transgenic mice expressing alpha-synuclein from the platelet-derived growth factor and Thy-1 promoters - PubMed https://pubmed.ncbi.nlm.nih.gov/12111846/