Mouse Models MSA/OPCA Publication

PDGF-ß-?-Syn transgenic mouse

IDENTIFICATION

Causal gene(s)	Sporadic
Repeat size or mutation	human ?-synuclein cDNA
Animal model	Mouse

MODEL DETAILS

Type of model	Transgenic

TRANSGENIC CONSTRUCT

Promoter: gene	PDGF-ß
Promoter: species	Human

PHENOTYPE

Hallmark features	intraneuronal inclusions, loss of doparminergic terminals, motor deficits

SOURCE & PUBLICATIONS

Originating lab / institution	University of California
Links to publications or public resources	Dopaminergic loss and inclusion body formation in alpha-synuclein mice: implications for neurodegenerative disorders - PubMed https://pubmed.ncbi.nlm.nih.gov/10678833/ 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/