

[Mouse Models](#)[MSA/OPCA](#)[Publication](#)

# PDGF- $\beta$ - $\beta$ -Syn transgenic mouse

## IDENTIFICATION

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

## MODEL DETAILS

Type of model	Transgenic
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## TRANSGENIC CONSTRUCT

Promoter: gene	PDGF- $\beta$
Promoter: species	Human

## PHENOTYPE

Hallmark features	intraneuronal inclusions, loss of dopaminergic terminals, motor deficits
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## 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 <a href="https://pubmed.ncbi.nlm.nih.gov/10678833/">https://pubmed.ncbi.nlm.nih.gov/10678833/</a> Differential neuropathological alterations in transgenic mice expressing alpha-synuclein from the platelet-derived growth factor and Thy-1 promoters - PubMed <a href="https://pubmed.ncbi.nlm.nih.gov/12111846/">https://pubmed.ncbi.nlm.nih.gov/12111846/</a>