

# hAppNL-G-F

<b>Nomenclature</b>	C57BL/6Smoc- <i>App</i> <sup>tm3(hAppNL-G-F)/Smoc</sup>
<b>Cat. NO.</b>	NM-HU-2000088
<b>Strain State</b>	Embryo cryopreservation

## Gene Summary

<b>Gene Symbol</b> <b>App</b>	<b>Synonyms</b>	Ag; Abpp; Adap; Cvap; Abeta; betaApp; E030013M08Rik
	<b>NCBI ID</b>	<a href="#">11820</a>
	<b>MGI ID</b>	<a href="#">88059</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000022892</a>
	<b>Human Ortholog</b>	APP

## Model Description

The endogenous mouse App gene was replaced by human AppNL-G-F.

**Research Application:** Alzheimer's disease research

\*Literature published using this strain should indicate: hAppNL-G-F mice (Cat. NO. NM-HU-2000088) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

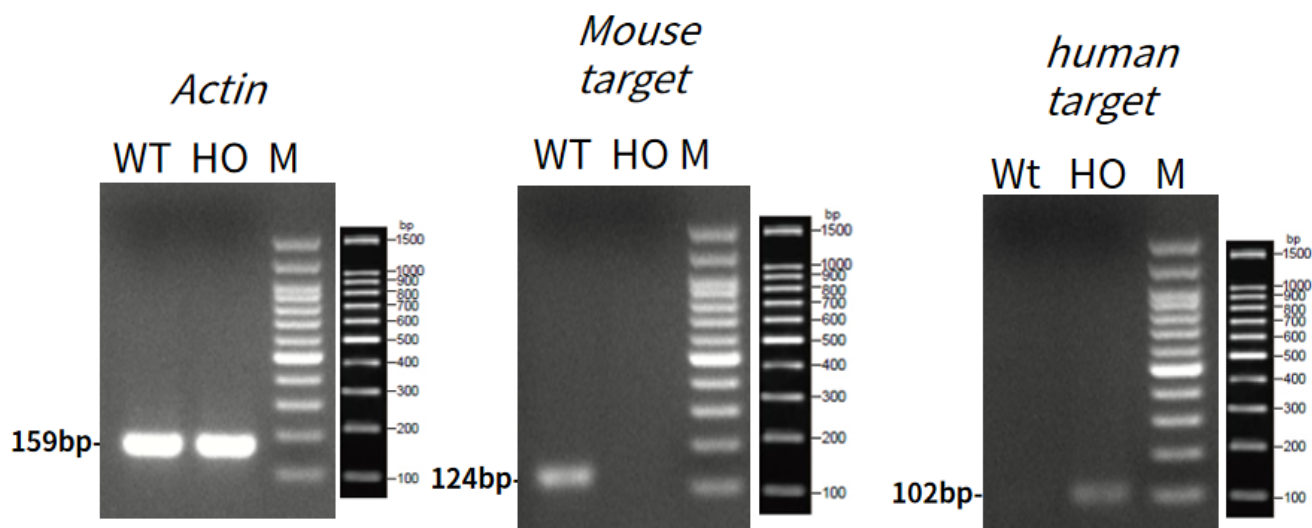


Fig1. Detection of APP expression in brain by RT-PCR.

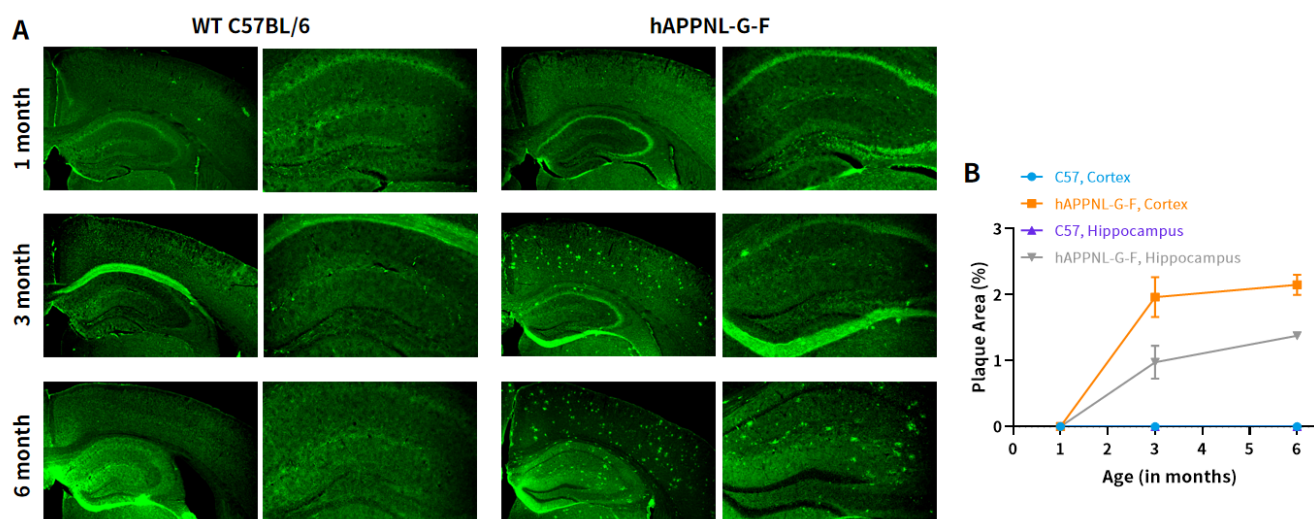


Fig2. (A)  $\beta$ -Amyloid (6E10) staining of WT and hAPPNL-G-F mice at 1, 3 and 6 months (magnification, 40x and 100x). (B) Statistics of 6E10 positive plaque area.

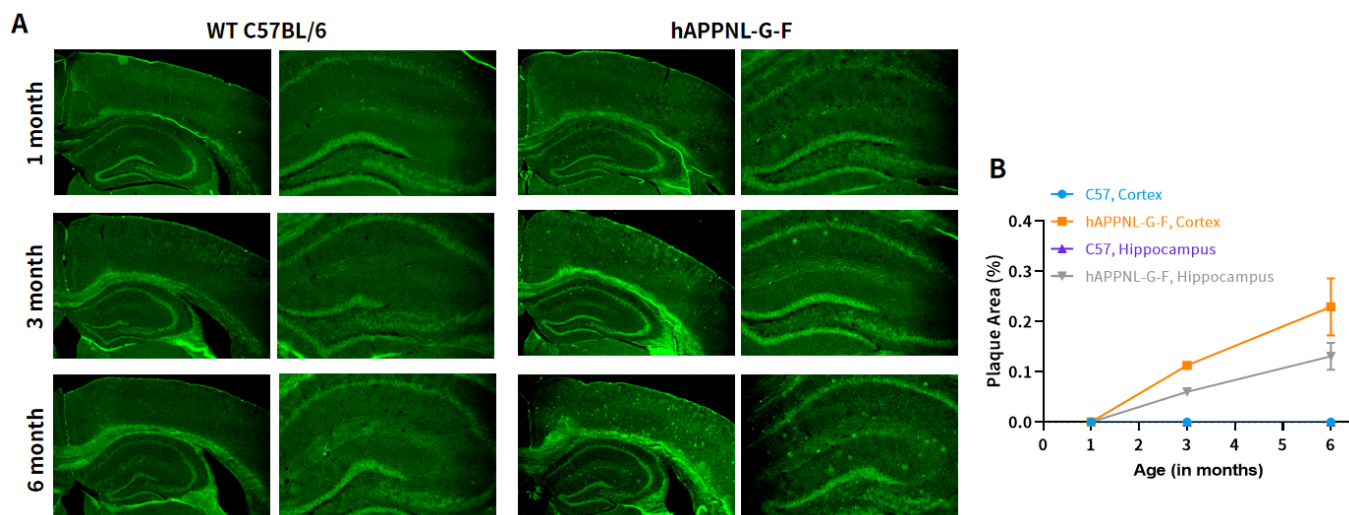


Fig3. (A) Thioflavine S staining of WT and hAPPNL-G-F mice at 1, 3 and 6 months (magnification, 40x and 100x). (B) Statistics of ThiS positive plaque area.

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