hAppNL-G-F

Nomenclature	C57BL/6Smoc-*App*^{tm3(hAppNL-G-F)/Smoc}
Cat. NO.	NM-HU-2000088
Strain State	Repository Live

Gene Summary

Gene Symbol App	**Synonyms**	Ag; Abpp; Adap; Cvap; Abeta; betaApp; E030013M08Rik
	NCBI ID	11820
	MGI ID	88059
	Ensembl ID	ENSMUSG00000022892
	Human Ortholog	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..
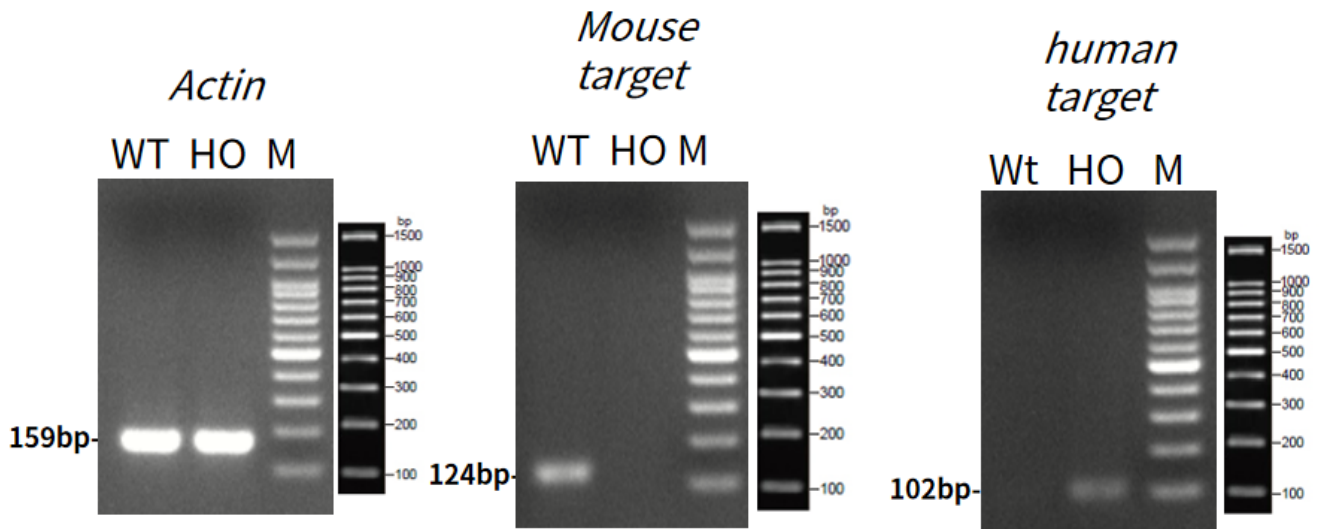
Validation Data
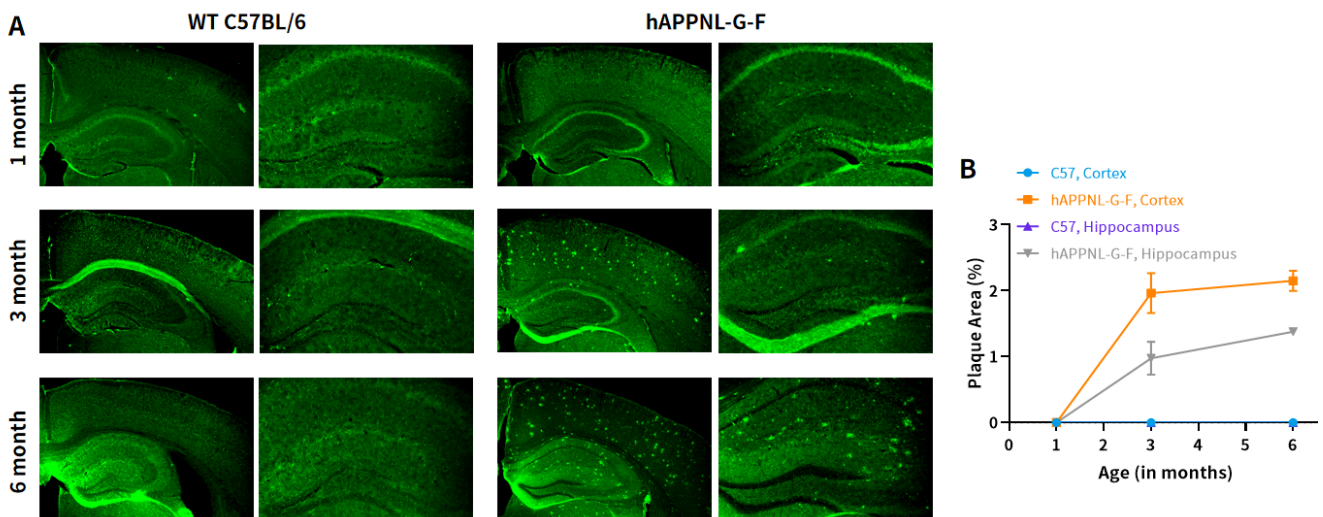
Fig1. Detection of APP expression in brain by RT-PCR.

Fig2. (A) β-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.
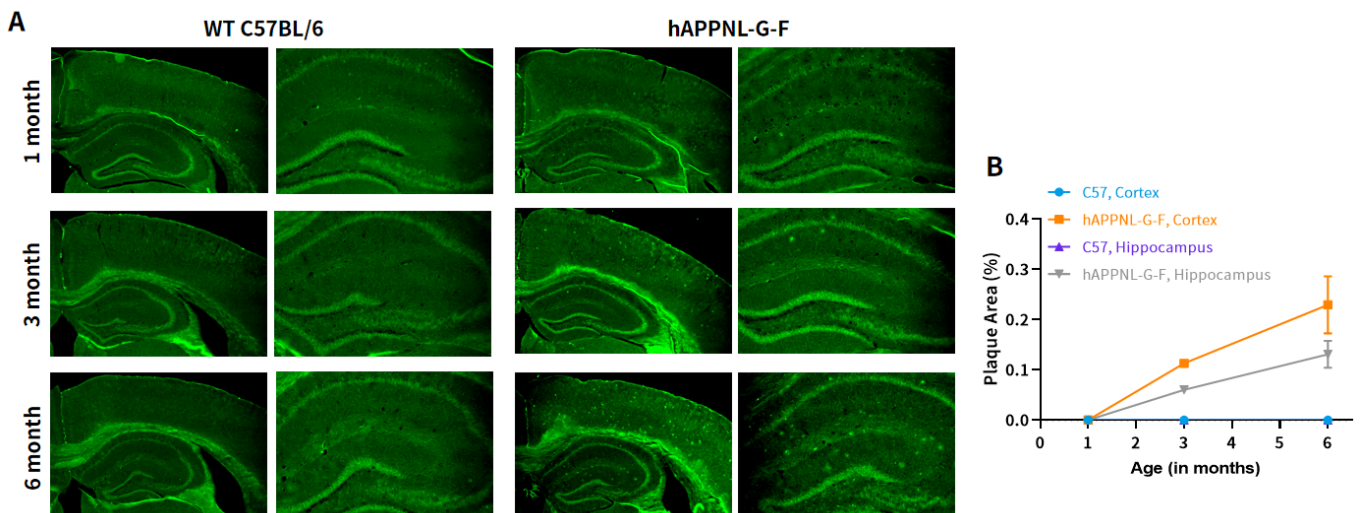
Fig3. (A) Thioflavine S staining of WT and hAPPNL-G-F mice at 1, 3 and 6 months (magnification, 40x and 100x). (B) Statistics of ThiS positive plaque area.