R26-pAPOE-hCYP3A4(FVB)

Nomenclature	FVB-*Gt(ROSA)26Sor*$^{em1(pAPOE-CYP3A4)Smoc}$
Cat. NO.	NM-KI-18032
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol **Gt(ROSA)26Sor**	**Synonyms**	R26, ROSA26, AV258896, Gtrgeo26, Gtrosa26, Thumpd3as1
	NCBI ID	14910
	MGI ID	104735
	Ensembl ID	ENSMUSG00000086429

Model Description

This knock-in model was generated by inserting the human CYP3A4 cDNA driven by the liver-specific APOE promoter into the mouse Rosa26 site, which can be used to obtain liver-expressed CYP3A4 humanized model after mating with the Cyp3a13 gene and other Cyp3a family gene knockout mice. This model can be used with NM-KI-18033 mice which has gut-specific expression of human CYP3A4 to compare the contribution of intestinal versus hepatic metabolism to the biotransformation of a test article.

Research Application: metabolism

*Literature published using this strain should indicate: R26-pAPOE-hCYP3A4(FVB) mice (Cat. NO. NM-KI-18032) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

No data