

# F9-KO(2)

|                     |                                           |
|---------------------|-------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>F9</i> <sup>em3Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KO-200607                              |
| <b>Strain State</b> | Embryo cryopreservation                   |

## Gene Summary

|                          |                       |                                    |
|--------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br>F9 | <b>Synonyms</b>       | Cf9; Cf-9; AW111646                |
|                          | <b>NCBI ID</b>        | <a href="#">14071</a>              |
|                          | <b>MGI ID</b>         | <a href="#">88384</a>              |
|                          | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000031138</a> |
|                          | <b>Human Ortholog</b> | F9                                 |

## Model Description

F9-KO(2) mice (Stock No.NM-KO-200607) carry a knockout allele derived from the targeted deletion of exon 1-8. While F9-KO mice (Stock No.NM-KO-18046) carrying the exon 8 deletion.

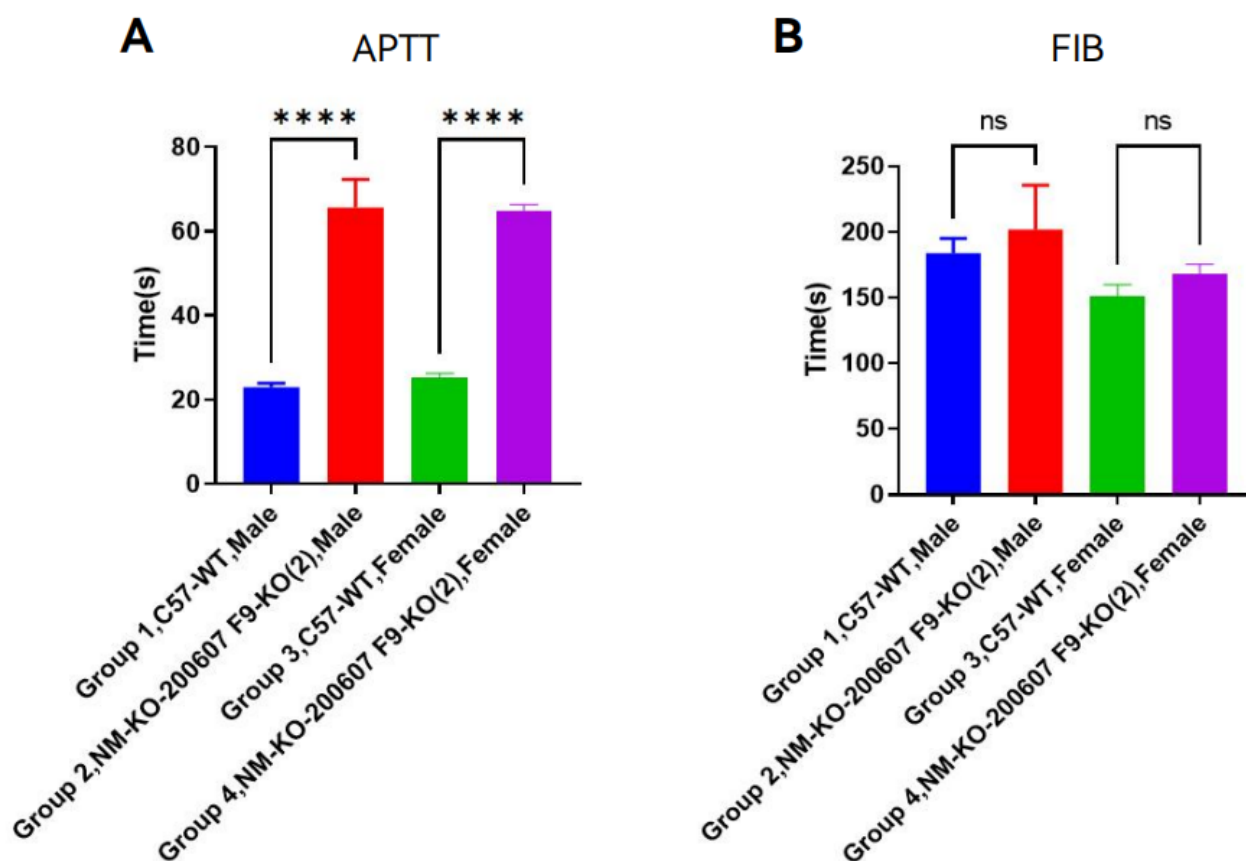
**Research Application:** Hemophilia B

\*Literature published using this strain should indicate: F9-KO(2) mice (Cat. NO. NM-KO-200607) were purchased from Shanghai Model Organisms Center, Inc..

## Disease Connection

|                     |                     |                                                                                                                                                                                  |
|---------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>hemophilia B</b> | <b>Phenotype(s)</b> | <a href="#">MGI:2175873</a>                                                                                                                                                      |
|                     | <b>Reference(s)</b> | Wang L, Zoppe M, Hackeng TM, Griffin JH, Lee KF, Verma IM, A factor IX-deficient mouse model for hemophilia B gene therapy. Proc Natl Acad Sci U S A. 1997 Oct 14;94(21):11563-6 |

## Validation Data



**Fig1. Detection of the blood coagulation index in F9-KO(2) mice.**

(A) Activated partial thromboplastin time (APTT) assay showed that F9-KO(2) mice took significantly longer to clot than WT mice.

(B) The results of fibrinogen(FIB) detection showed that there was no significant difference in FIB values between F9-KO(2) mice and WT mice.