

# Kallikrein 4 (Klk4) Knockout LacZ Knockin Mouse Model

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Research Tools and Reagents  
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## INNOVATION

Kallikrein 4 (Klk4) is a serine protease critical to the processing of enamel matrix proteins and maturation of dental enamel. This mouse model has the Klk4 gene replaced by NLS LacZ. The mouse model has allowed the study of Klk4 expression and function. Furthermore, the mouse model recapitulates human hypomaturation amelogenesis imperfecta condition and can be used for testing experimental strategies to rescue enamel maturation defects.