Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

STOCK Map3k7$^{tm1.1Gkl}$/Flmg

RRID:IMSR_EM:08404
Type: Organism

Proper Citation

RRID:IMSR_EM:08404

Organism Information

URL: https://www.infrafrontier.eu/emma/strain-details/?q=8404

Proper Citation: RRID:IMSR_EM:08404

Description: Mus musculus with name STOCK Map3k7$^{tm1.1Gkl}$/Flmg from IMSR.

Species: Mus musculus

Synonyms: TAK1FL/FL

Notes: gene symbol note: mitogen-activated protein kinase kinase kinase 7; mutant strain: Map3k7

Affected Gene: mitogen-activated protein kinase kinase kinase 7

Genomic Alteration: targeted mutation 1.1; George Kollias

Catalog Number: EM:08404

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: sperm

Organism Name: STOCK Map3k7$^{tm1.1Gkl}$/Flmg

Record Creation Time: 20250513T062245+0000

Record Last Update: 20260725T053014+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Map3k7$^{tm1.1Gkl}$/Flmg.

No alerts have been found for STOCK Map3k7$^{tm1.1Gkl}$/Flmg.

Data and Source Information

Source: Integrated Animals

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Nguyen DC, et al. (2025) TGF?-activated kinase 1 signaling controls acquisition of the inflammatory fibroblast phenotype and regulates cardiac remodeling after myocardial infarction. Research square.

Schneider AT, et al. (2025) A decision point between transdifferentiation and programmed cell death priming controls KRAS-dependent pancreatic cancer development. Nature communications, 16(1), 1765.

Gao X, et al. (2025) Reduction of neuronal activity mediated by blood-vessel regression in the adult brain. Nature communications, 16(1), 5840.

Sun Z, et al. (2025) Cooperation of TRADD- and RIPK1-dependent cell death pathways in maintaining intestinal homeostasis. Nature communications, 16(1), 1890.

Zhang J, et al. (2025) Understanding TAK1 deficiency in microglia: Dual mechanisms for photoreceptor protection in a mouse model of retinitis pigmentosa. Proceedings of the National Academy of Sciences of the United States of America, 122(18), e2423134122.

Chauhan A, et al. (2018) Myeloid-specific TAK1 deletion results in reduced brain monocyte infiltration and improved outcomes after stroke. Journal of neuroinflammation, 15(1), 148.

Ismail HM, et al. (2017) Rapid Activation of Transforming Growth Factor ?-Activated Kinase 1 in Chondrocytes by Phosphorylation and K63 -Linked Polyubiquitination Upon Injury to Animal Articular Cartilage. Arthritis & rheumatology (Hoboken, N.J.), 69(3), 565.

Xing Y, et al. (2016) Late stages of T cell maturation in the thymus involve NF-?B and tonic type I interferon signaling. Nature immunology, 17(5), 565.

Sanjo H, et al. (2015) Conditional Deletion of TAK1 in T Cells Reveals a Pivotal Role of TCR??+ Intraepithelial Lymphocytes in Preventing Lymphopenia-Associated Colitis. PloS one, 10(7), e0128761.

Mahmud SA, et al. (2014) Costimulation via the tumor-necrosis factor receptor superfamily couples TCR signal strength to the thymic differentiation of regulatory T cells. Nature immunology, 15(5), 473.