

Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

Chd7^{tm2a(EUCOMM)}Wtsi

RRID:IMSR_EUMMCR:250

Type: Organism

Proper Citation

RRID:IMSR_EUMMCR:250

Organism Information

URL:

Proper Citation: RRID:IMSR_EUMMCR:250

Description: Mus musculus with name Chd7^{tm2a(EUCOMM)}Wtsi from IMSR.

Species: Mus musculus

Notes: gene symbol note: chromodomain helicase DNA binding protein 7; mutant strain: Chd7

Affected Gene: chromodomain helicase DNA binding protein 7

Genomic Alteration: targeted mutation 2a; Wellcome Trust Sanger Institute

Catalog Number: EUMMCR:250

Database: European Mouse Mutant Cell Repository

Database Abbreviation: EuMMCR

Availability: ES Cell

Organism Name: Chd7^{tm2a(EUCOMM)}Wtsi

Record Creation Time: 20250513T061744+0000

Record Last Update: 20260801T055313+0000

Ratings and Alerts

No rating or validation information has been found for Chd7^{tm2a(EUCOMM)}Wtsi.

No alerts have been found for Chd7^{tm2a(EUCOMM)}Wtsi.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Cell Repository

Usage and Citation Metrics

We found 39 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Huard A, et al. (2024) Interleukin-38 overexpression in keratinocytes limits desquamation but does not affect the global severity of imiquimod-induced skin inflammation in mice. *Frontiers in immunology*, 15, 1387921.

House JS, et al. (2023) C/EBP β deficiency enhances the keratinocyte innate immune response to direct activators of cytosolic pattern recognition receptors. *Innate immunity*, 29(1-2), 14.

Wu Q, et al. (2022) YAP signaling in horizontal basal cells promotes the regeneration of olfactory epithelium after injury. *Stem cell reports*, 17(3), 664.

Ni X, et al. (2022) IL-17D-induced inhibition of DDX5 expression in keratinocytes amplifies IL-36R-mediated skin inflammation. *Nature immunology*, 23(11), 1577.

Filippone MG, et al. (2022) CDK12 promotes tumorigenesis but induces vulnerability to therapies inhibiting folate one-carbon metabolism in breast cancer. *Nature communications*, 13(1), 2642.

Liu L, et al. (2022) Semaphorin 3A: A potential target for prevention and treatment of nickel allergy. *Communications biology*, 5(1), 671.

Ogawa E, et al. (2022) Transcription Factors Runx1 and Runx3 Suppress Keratin Expression in Undifferentiated Keratinocytes. *International journal of molecular sciences*, 23(17).

Wang X, et al. (2022) PINCH-1 promotes IGF-1 receptor expression and skin cancer progression through inhibition of the GRB10-NEDD4 complex. *Theranostics*, 12(6), 2613.

Miyauchi K, et al. (2021) Essential Role of STAT3 Signaling in Hair Follicle Homeostasis. *Frontiers in immunology*, 12, 663177.

Tsutsui K, et al. (2021) Mapping the molecular and structural specialization of the skin basement membrane for inter-tissue interactions. *Nature communications*, 12(1), 2577.

Beck MA, et al. (2021) DNA hypomethylation leads to cGAS-induced autoinflammation in the epidermis. *The EMBO journal*, 40(22), e108234.

Wilhelmson AS, et al. (2020) Androgen Receptors in Epithelial Cells Regulate Thymopoiesis and Recent Thymic Emigrants in Male Mice. *Frontiers in immunology*, 11,

1342.

Muzumdar S, et al. (2020) Genetic activation of Nrf2 reduces cutaneous symptoms in a murine model of Netherton syndrome. *Disease models & mechanisms*, 13(5).

Goldstein JD, et al. (2020) IL-36 signaling in keratinocytes controls early IL-23 production in psoriasis-like dermatitis. *Life science alliance*, 3(6).

Altstätter J, et al. (2020) γ -parvin is required for epidermal morphogenesis, hair follicle development and basal keratinocyte polarity. *PloS one*, 15(3), e0230380.

Hippe A, et al. (2020) EGFR/Ras-induced CCL20 production modulates the tumour microenvironment. *British journal of cancer*, 123(6), 942.

Chiche A, et al. (2019) p53 controls the plasticity of mammary luminal progenitor cells downstream of Met signaling. *Breast cancer research : BCR*, 21(1), 13.

Noguchi S, et al. (2019) Beclin 1 regulates recycling endosome and is required for skin development in mice. *Communications biology*, 2, 37.

Sasaki K, et al. (2019) Modulation of autoimmune pathogenesis by T cell-triggered inflammatory cell death. *Nature communications*, 10(1), 3878.

Chen YS, et al. (2018) HSP40 co-chaperone protein Tid1 suppresses metastasis of head and neck cancer by inhibiting Galectin-7-TCF3-MMP9 axis signaling. *Theranostics*, 8(14), 3841.