

# Monocyte Chemoattractant Protein-1-Induced Protein-1 (MCPIP1) knockout mouse

**Catalogue number:** 160590

**Sub-type:** Mouse

**Images:**

## Contributor

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**Institute:** Jagiellonian University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Monocyte Chemoattractant Protein-1-Induced Protein-1 (MCPIP1) knockout mouse

**Alternate name:** Regnase1, Zc3h12a

**Class:**

**Conjugate:**

**Description:** Adapted from Kotlinowski J. et al. bioRxiv; 2020. DOI: 10.1101/2020.09.05.250522:

Primary biliary cholangitis (PBC) is an autoimmune disease characterized by progressive destruction of the intrahepatic bile ducts. The immunopathology of PBC involves excessive inflammation; therefore, negative regulators of inflammatory response, such as Monocyte Chemoattractant Protein-1-Induced Protein-1 (MCPIP1, alias Regnase1) may play important roles in the development of PBC.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:** Knock-Out

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** Adapted from Kotlinowski J. et al. bioRxiv; 2020. DOI: 10.1101/2020.09.05.250522:

This mouse model was developed to verify whether Mcpip1 expression protects against development of PBC. Deletion of hepatic Mcpip1 in Mcpip1AlbKO mice leads to development of PBC that recapitulates phenotype of human patients. These animals, show early prenatal origin and age-dependent progression of the disease.

## Target details

**Target:** Monocyte Chemoattractant Protein-1-Induced Protein-1

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Embryo/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

## References

**References:** WO2013050830 - PURE ALBUMIN AND ITS METHOD OF PREPARATION AND DETECTION

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