Clcn3 exchanges Cl- for H+

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references


Reactome database release: 78

This document contains 1 reaction (see Table of Contents)
**Clcn3 exchanges Cl- for H+**

**Stable identifier:** R-MMU-2730951  
**Type:** transition  
**Compartments:** cytosol, endosome lumen, endosome membrane

The murine H+/Cl- exchange transporter Clcn3 mediates the exchange of endosomal Cl- for cytosolic H+ across late endosomal membranes, contributing to the acidification of endosomes (Borsani et al. 1995, Stobrawa et al. 2001, Hara-Chikuma et al. 2005).

**Literature references**


**Editions**

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