UCHL3, SENP8 cleave NEDD8

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Introduction

Reactome is an 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: 74

This document contains 1 reaction (see Table of Contents)

https://reactome.org
UCHL3, SENP8 cleave NEDD8

**Stable identifier:** R-HSA-5690808

**Type:** transition

**Compartments:** cytosol

UCHL3 and SENP8 (DEN1) remove the C-terminal extension of NEDD8 propeptides, exposing a C-terminal Gly residue. UCHL3 can also process ubiquitin (Wada et al. 1998). UCHL3 and SENP8 are probably functionally redundant in NEDD8 processing as deletion of either enzyme does not lead to neddylation defects (Chan et al. 2008, Kurihara et al. 2000).

**Literature references**


**Editions**

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