

Ubiquitinated Cdc6 is degraded by the proteasome

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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

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Reactome database release: 76

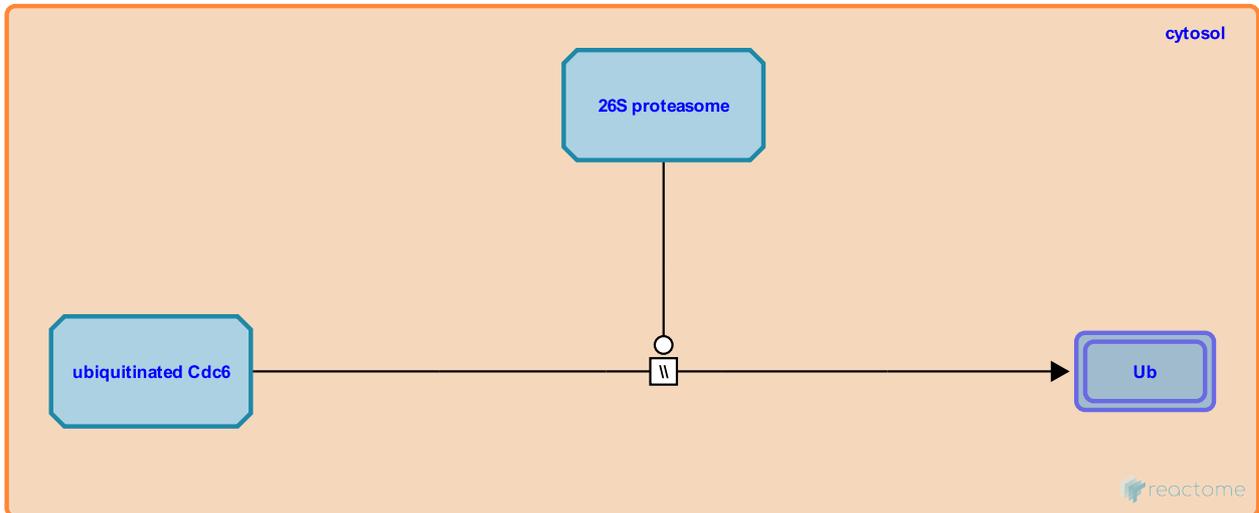
This document contains 1 reaction ([see Table of Contents](#))

Ubiquitinated Cdc6 is degraded by the proteasome ↗

Stable identifier: R-HSA-69016

Type: omitted

Compartments: cytosol



At the beginning of this reaction, 1 molecule of 'ubiquitinated Cdc6' is present. At the end of this reaction, 1 molecule of 'ubiquitin' is present.

This reaction takes place in the 'cytosol' and is mediated by the 'endopeptidase activity' of '26S proteasome'.

Literature references

Mendez, J., Stillman, B. (2000). Chromatin association of human origin recognition complex, cdc6, and minichromosome maintenance proteins during the cell cycle: assembly of prereplication complexes in late mitosis. *Mol Cell Biol*, 20, 8602-12. ↗