

Translocation of p21 to the nucleus

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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: 88

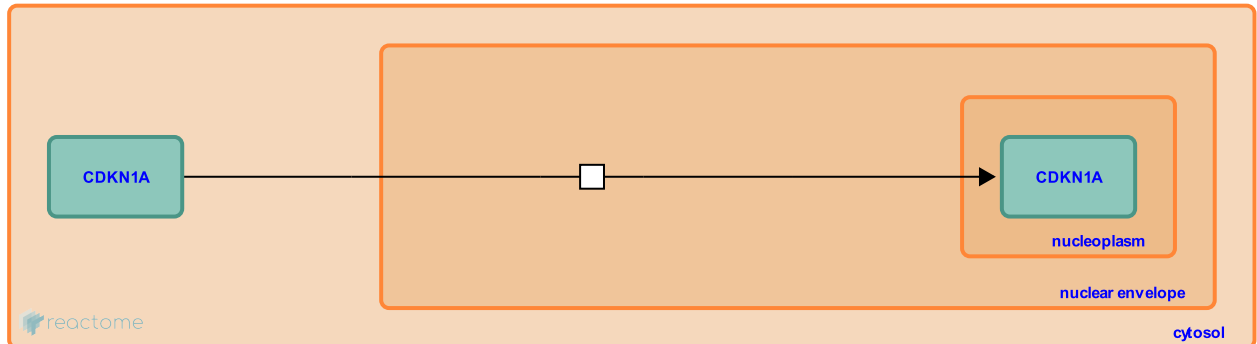
This document contains 1 reaction ([see Table of Contents](#))

Translocation of p21 to the nucleus [↗](#)

Stable identifier: R-HSA-187828

Type: transition

Compartments: nuclear envelope



p21 associates with and inhibits Cyclin:Cdk complexes in the nucleus.

Literature references

Orend, G., Ruoslahti, E., Hunter, T. (1998). Cytoplasmic displacement of cyclin E-cdk2 inhibitors p21Cip1 and p27Kip1 in anchorage-independent cells. *Oncogene*, 16, 2575-83. [↗](#)

Editions

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