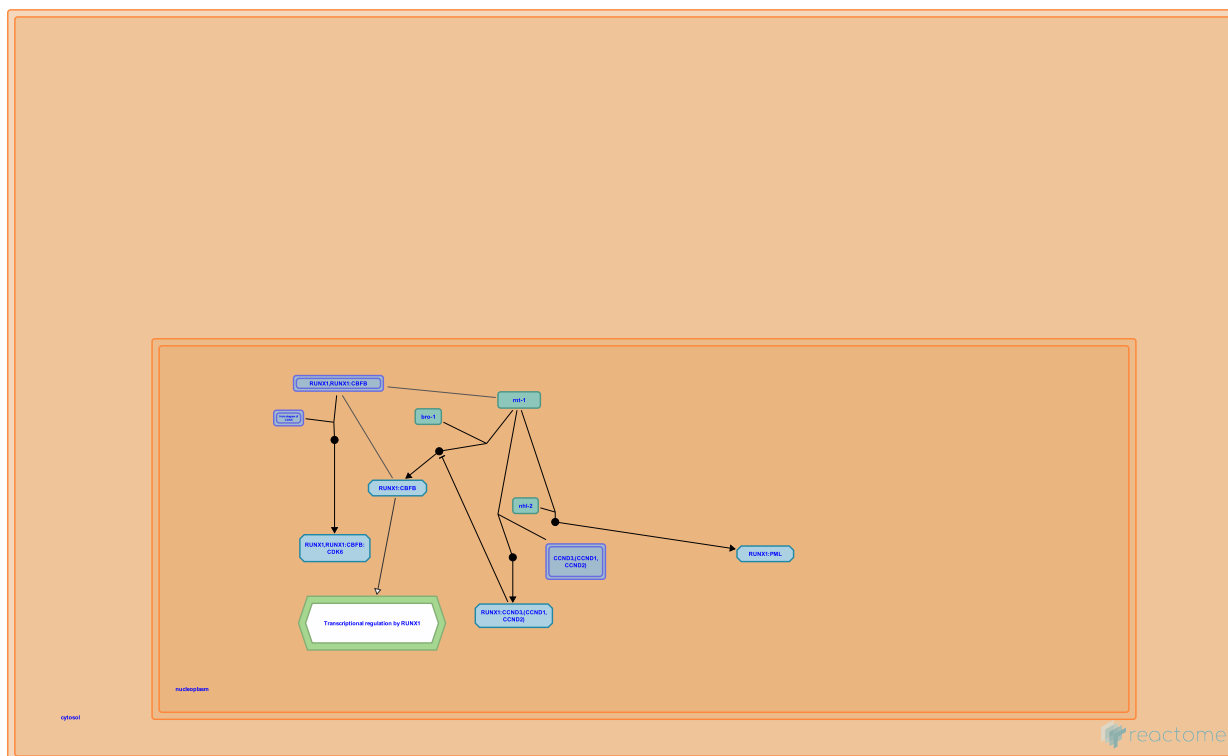


Regulation of RUNX1 Expression and Activity



European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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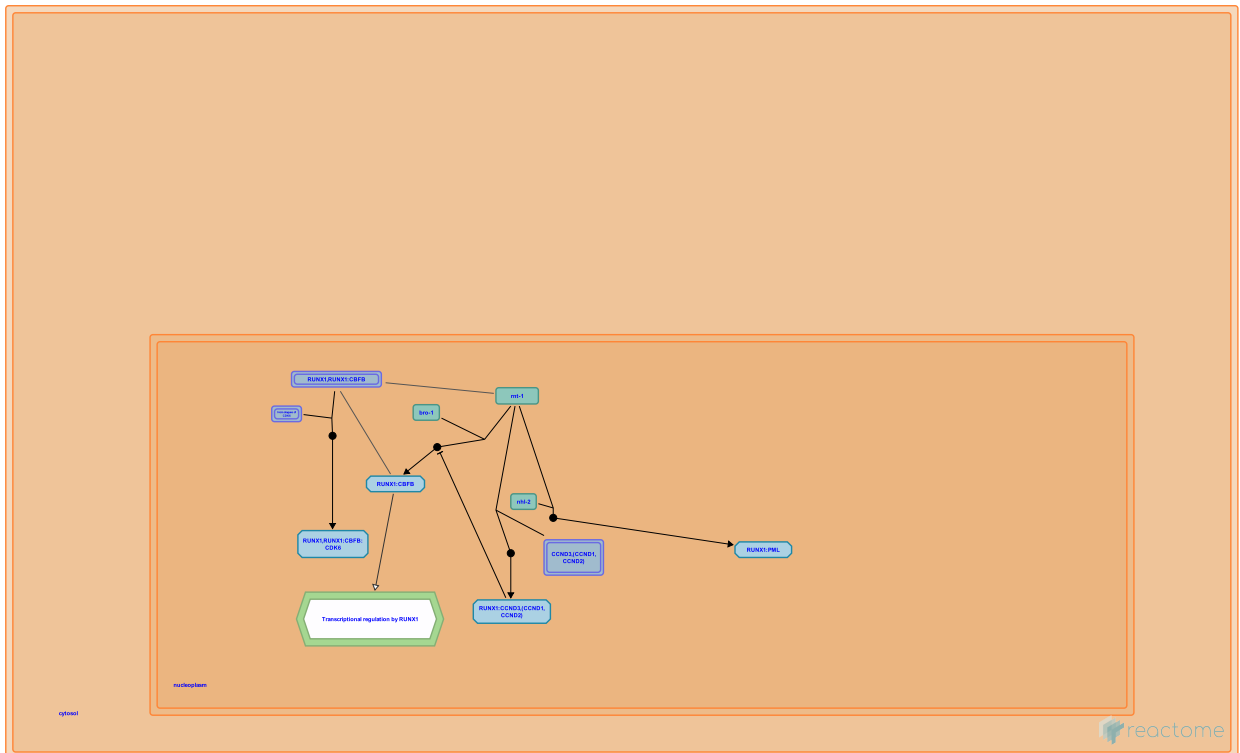
Reactome database release: 74

This document contains 1 pathway and 4 reactions ([see Table of Contents](#))

Regulation of RUNX1 Expression and Activity ↗

Stable identifier: R-CEL-8934593

Inferred from: [Regulation of RUNX1 Expression and Activity \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

CDK6 binds RUNX1 [↗](#)

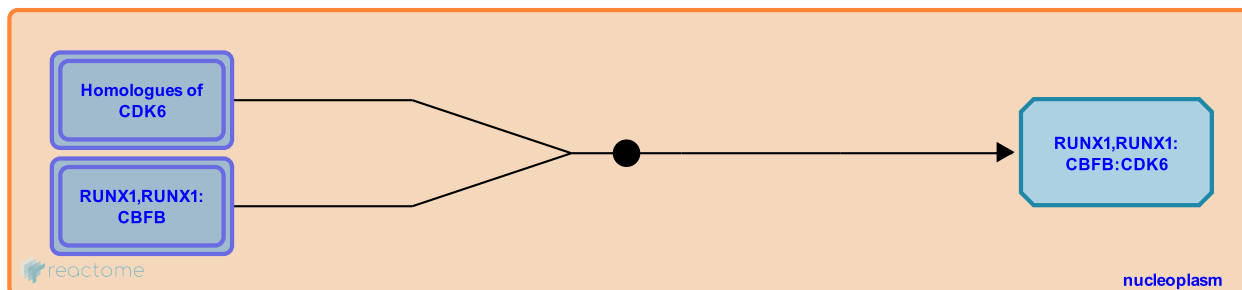
Location: [Regulation of RUNX1 Expression and Activity](#)

Stable identifier: R-CEL-8938853

Type: binding

Compartments: nucleoplasm

Inferred from: [CDK6 binds RUNX1 \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Preceded by: [CBF8 binds RUNX1](#)

CCND3,(CCND1,CCND2) binds RUNX1 ↗

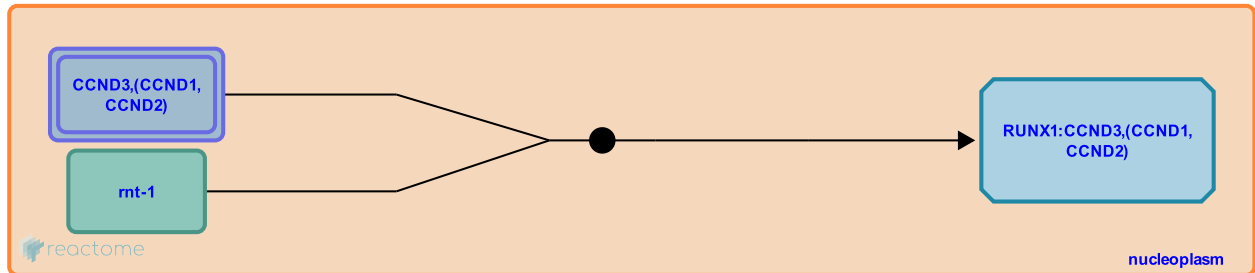
Location: [Regulation of RUNX1 Expression and Activity](#)

Stable identifier: R-CEL-8938867

Type: binding

Compartments: nucleoplasm

Inferred from: [CCND3,\(CCND1,CCND2\) binds RUNX1 \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

PML binds RUNX1 [↗](#)

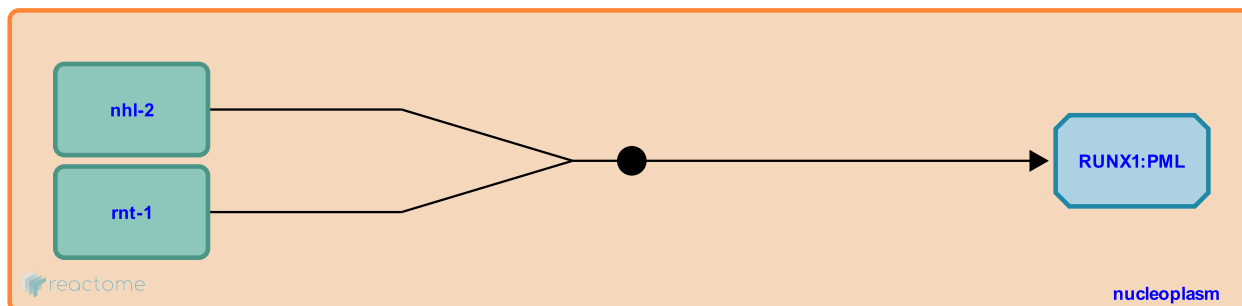
Location: [Regulation of RUNX1 Expression and Activity](#)

Stable identifier: R-CEL-8938887

Type: binding

Compartments: nucleoplasm

Inferred from: [PML binds RUNX1 \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

CBFB binds RUNX1 [↗](#)

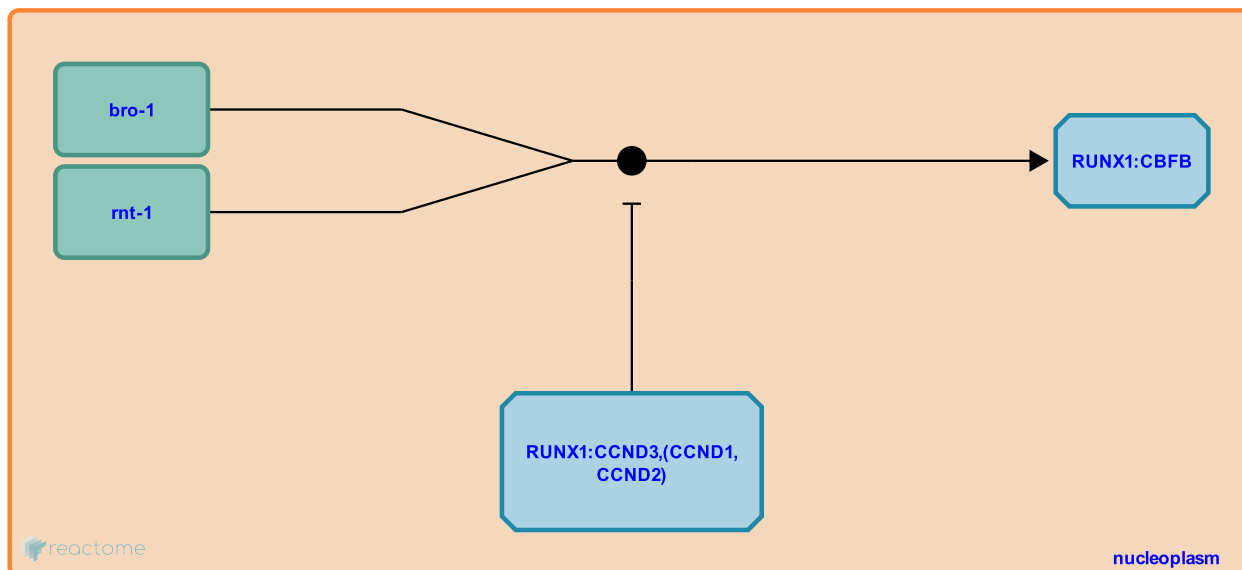
Location: [Regulation of RUNX1 Expression and Activity](#)

Stable identifier: R-CEL-8865320

Type: binding

Compartments: nucleoplasm

Inferred from: [CBFB binds RUNX1 \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

Followed by: [CDK6 binds RUNX1](#)

Table of Contents

Introduction	1
☰ Regulation of RUNX1 Expression and Activity	2
➤ CDK6 binds RUNX1	3
➤ CCND3,(CCND1,CCND2) binds RUNX1	4
➤ PML binds RUNX1	5
➤ CBFβ binds RUNX1	6
Table of Contents	7