RDX binds to and ubiquitinates CI

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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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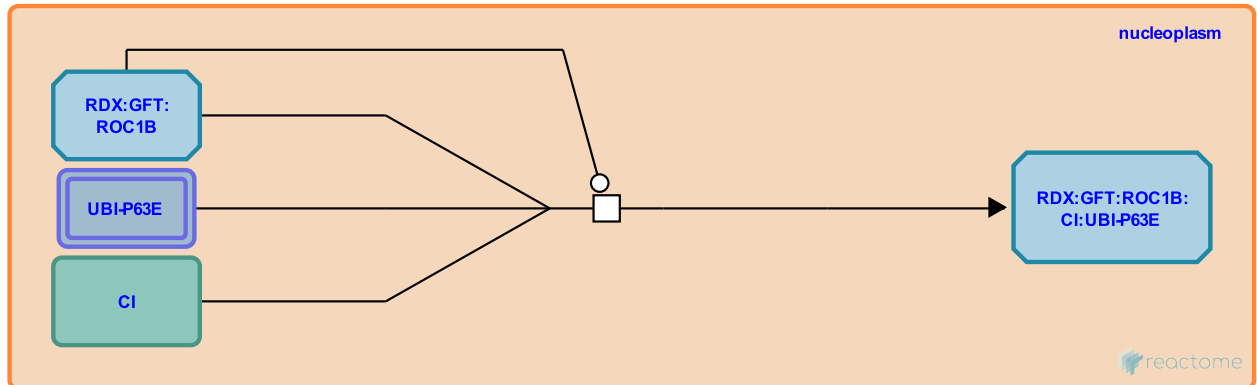
Reactome database release: 88

This document contains 1 reaction (see Table of Contents)

RDX binds to and ubiquitinates CI ↗

Stable identifier: R-DME-216283

Type: transition

Compartments: nucleoplasm

HIB or Roadkill (RDX) is transcriptionally induced by Hedgehog signalling and binds directly to Cubitus Interruptus (CI), likely in competition with Supressor of Fused (SU(FU)), to link CI with a Cul3 aka guftagu (GFT)-based E3 ubiquitin ligase complex, leading to degradation of active nuclear CI.

Literature references

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Editions

2006-12-07	Authored	Williams, MG.
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