

# RUNX1 binds the core TAL1 complex

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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: 70

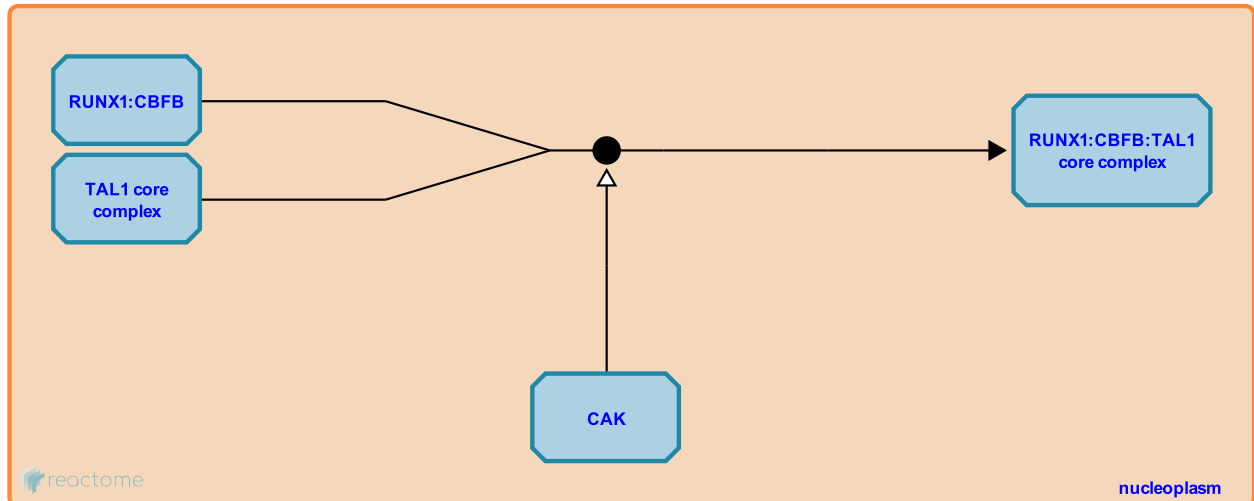
This document contains 1 reaction ([see Table of Contents](#))

## RUNX1 binds the core TAL1 complex ↗

**Stable identifier:** R-HSA-8956568

**Type:** binding

**Compartments:** nucleoplasm



RUNX1, in complex with CBFB, binds to the core TAL1 complex consisting of TAL1 (SCL), TCF3 (E2A) or TCF12 (HEB), LMO1 or LMO2, LDB1 and GATA1, GATA2 or GATA3 (Wilson et al. 2010, Tijssen et al. 2011, Sanda et al. 2012, Mansour et al. 2014, Hoang et al. 2016). Assembly of the RUNX1- and GATA3-containing TAL1 complex is positively regulated by the CDK7-containing CAK complex (Kwiatkowski et al. 2014).

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### Editions

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