

# **RUNX1:CBFB binds the NFE2 gene promoter**

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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: 74

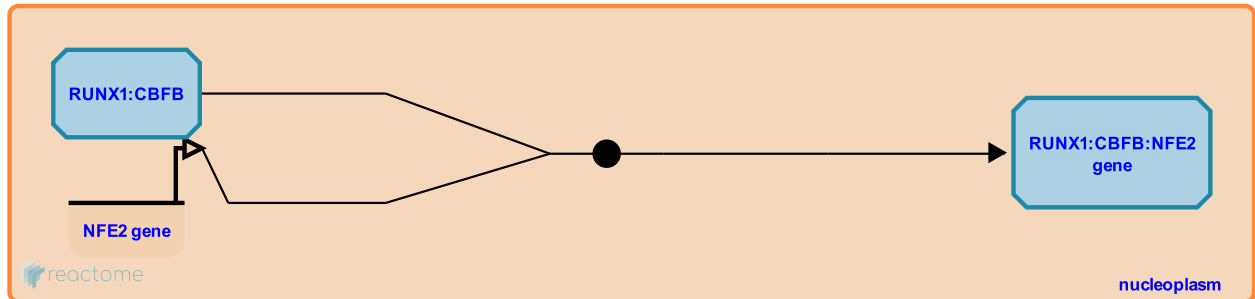
This document contains 1 reaction ([see Table of Contents](#))

## RUNX1:CBFB binds the NFE2 gene promoter [↗](#)

**Stable identifier:** R-HSA-8938328

**Type:** binding

**Compartments:** nucleoplasm



The RUNX1:CBFB complex binds RUNX1 response elements in the promoter of the NFE2 gene, encoding Transcription factor NF-E2 45 kDa subunit (Wang et al. 2010).

### Literature references

Wang, W., Schwemmers, S., Hexner, EO., Pahl, HL. (2010). AML1 is overexpressed in patients with myeloproliferative neoplasms and mediates JAK2V617F-independent overexpression of NF-E2. *Blood*, 116, 254-66. [↗](#)

### Editions

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