

# NRF1, PPRC1:HCFC1:NRF2 bind the TFB1M 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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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
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Reactome database release: 70

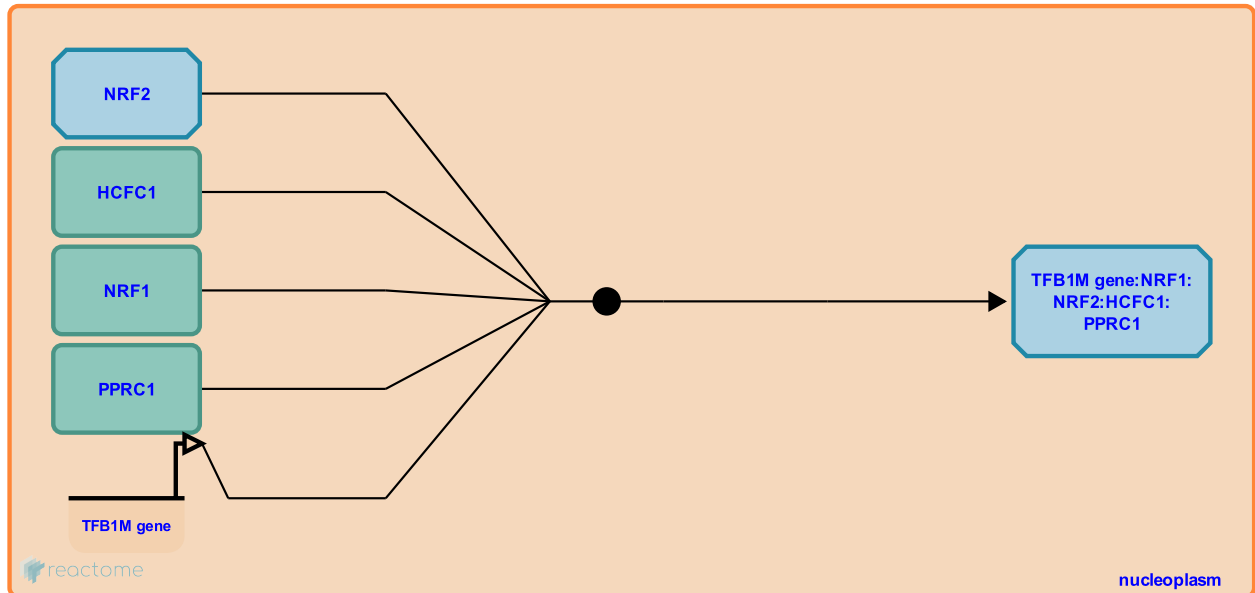
This document contains 1 reaction ([see Table of Contents](#))

## NRF1, PPRC1:HCFC1:NRF2 bind the TFB1M promoter ↗

**Stable identifier:** R-HSA-1592250

**Type:** binding

**Compartments:** nucleoplasm



Both PRC (PPRC1) and NRF2 bind HCF1 (Vercauteren et al. 2008). PRC, like PGC-1alpha, can coactivate NRF2 (Gleyzer et al. 2005).

### Literature references

Gleyzer, N., Vercauteren, K., Scarpulla, RC. (2005). Control of mitochondrial transcription specificity factors (TFB1M and TFB2M) by nuclear respiratory factors (NRF-1 and NRF-2) and PGC-1 family coactivators. *Mol Cell Biol*, 25, 1354-66. ↗

Vercauteren, K., Gleyzer, N., Scarpulla, RC. (2008). PGC-1-related coactivator complexes with HCF-1 and NRF-2beta in mediating NRF-2(GABP)-dependent respiratory gene expression. *J Biol Chem*, 283, 12102-11. ↗

### Editions

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