

# Fall Back to Closed Pre-initiation 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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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
- Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res*, 46, D649-D655. [↗](#)
- Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 74

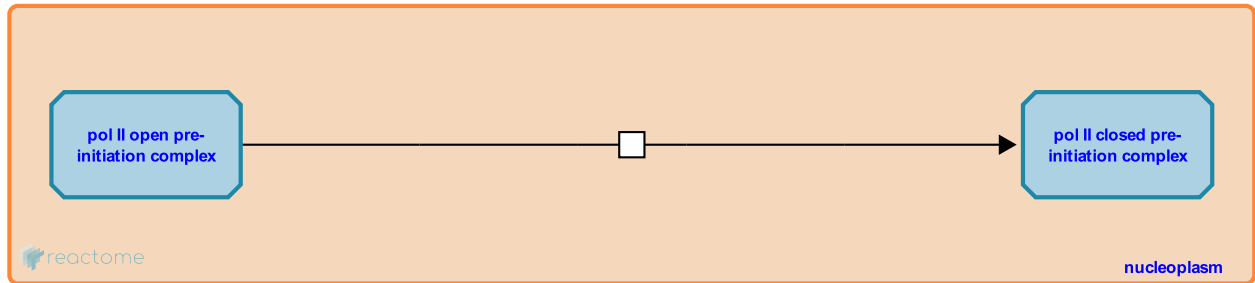
This document contains 1 reaction ([see Table of Contents](#))

## Fall Back to Closed Pre-initiation Complex [↗](#)

**Stable identifier:** R-HSA-75862

**Type:** transition

**Compartments:** nucleoplasm



At the beginning of this reaction, 1 molecule of 'pol II open pre-initiation complex' is present. At the end of this reaction, 1 molecule of 'pol II closed pre-initiation complex' is present.

This reaction takes place in the 'nucleus'.

### Literature references

Conaway, RC., Conaway, JW. (1988). ATP activates transcription initiation from promoters by RNA polymerase II in a reversible step prior to RNA synthesis. *J Biol Chem*, 263, 2962-8. [↗](#)