Recruitment of Active RNA Polymerase I to SL1:phos.UBF-1:rDNA 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**


Reactome database release: 78

This document contains 1 reaction (see Table of Contents)

https://reactome.org
**Recruitment of Active RNA Polymerase I to SL1:phos.UBF-1:rDNA Promoter**

**Stable identifier:** R-HSA-73758

**Type:** binding

**Compartments:** nucleoplasm

Composed of Acetylated SL1, phosphorylated UBF-1 bound the rDNA promoter as well as the active RNA polymerase holoenzyme, rrn3 and TFIIH the transcription initiation complex is complete. The assembly picture is incomplete, as the point at which TFIIH joins the complex is unknown, though by the time that this complex is formed TFIIH is present (it has been included at this step for completeness). This forms the transcriptionally active enzyme, that is capable of initiating transcription from the rDNA promoter.

**Literature references**


**Editions**

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