

RNA Polymerase II CTD (phosphorylated)

binds to CE

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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: 88

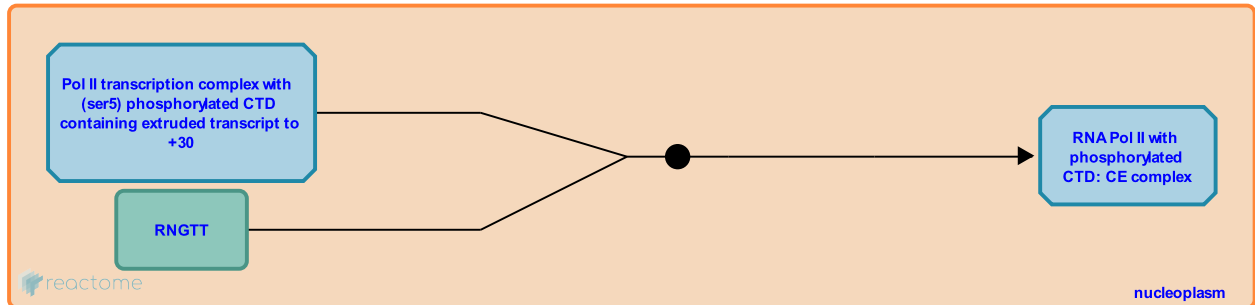
This document contains 1 reaction ([see Table of Contents](#))

RNA Polymerase II CTD (phosphorylated) binds to CE [↗](#)

Stable identifier: R-HSA-77069

Type: binding

Compartments: nucleoplasm



At the beginning of this reaction, 1 molecule of 'mRNA capping enzyme', and 1 molecule of 'Pol II transcription complex with (ser5) phosphorylated CTD containing extruded transcript to +30' are present. At the end of this reaction, 1 molecule of 'RNA Pol II with phosphorylated CTD: CE complex' is present.

This reaction takes place in the 'nucleus'.

Literature references

Gonatopoulos-Pournatzis, T., Cowling, VH. (2014). Cap-binding complex (CBC). *Biochem. J.*, 457, 231-42. [↗](#)