

Recognition and binding of the mRNA cap by the cap-binding 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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Reactome database release: 88

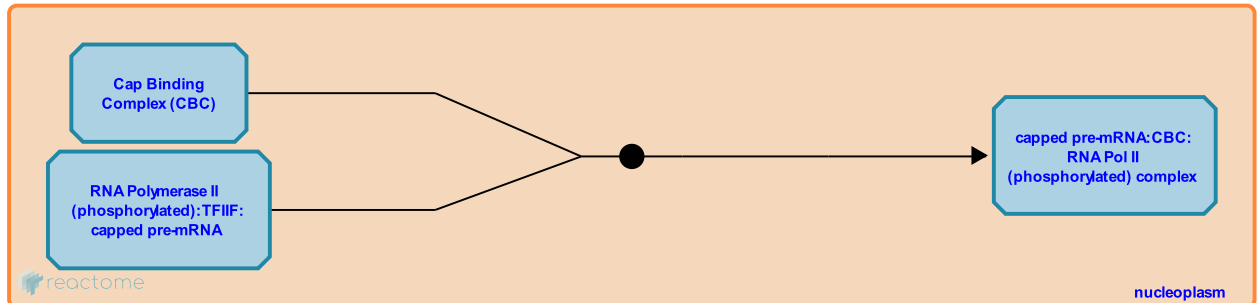
This document contains 1 reaction ([see Table of Contents](#))

Recognition and binding of the mRNA cap by the cap-binding complex [↗](#)

Stable identifier: R-HSA-77095

Type: binding

Compartments: nucleoplasm



The cap binding complex binds to the methylated GMP cap on the nascent mRNA transcript (Gonatopoulos-Pournatzis & Cowling 2014).

Literature references

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

Editions

2003-10-15	Authored	Buratowski, S.
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