

# CHEK2 phosphorylates TTC5

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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: 74

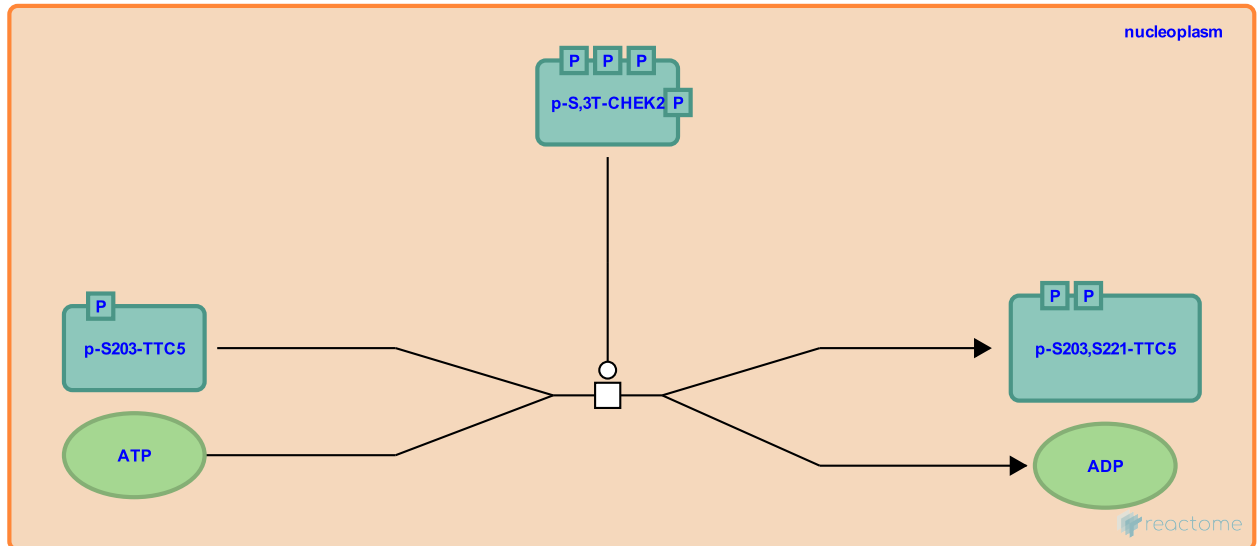
This document contains 1 reaction ([see Table of Contents](#))

## CHEK2 phosphorylates TTC5 [↗](#)

**Stable identifier:** R-HSA-6804266

**Type:** transition

**Compartments:** nucleoplasm



CHEK2 phosphorylates TTC5 (Strap), a cofactor of TP53 (p53), on serine residue S221, resulting in TTC5 stabilization through an unknown mechanism (Adams et al. 2008).

### Literature references

Adams, CJ., Graham, AL., Jansson, M., Coutts, AS., Edelmann, M., Smith, L. et al. (2008). ATM and Chk2 kinase target the p53 cofactor Strap. *EMBO Rep.*, 9, 1222-9. [↗](#)

### Editions

2015-10-14	Authored, Edited	Orlic-Milacic, M.
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