

# Recruitment of DNA2 endonuclease to the

# C strand

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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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- 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. *オ*

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#### Stable identifier: R-HSA-174451

Type: binding

#### Compartments: nucleoplasm



After RPA binds the long flap, it recruits the DNA2 helicase/endonuclease which removes the initiator RNA primers of Okazaki fragments (Bae et al. 2001). DNA2 is also needed to resolve G quadruplexes (G4), DNA structures commonly formed by polyguanine-rich telomeric DNA sequences (Masuda-Sasa et al. 2008, Lin et al. 2013).

### Literature references

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#### **Editions**

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