

# Dicer1 cleaves tRNA Ile TAT to yield miR- 1983

Basso, K., May, B.

European Bioinformatics Institute, New York University Langone Medical Center, Ontario Institute for Cancer Research, Oregon Health and Science University.

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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., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res*, 46, D649-D655. [↗](#)
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Reactome database release: 88

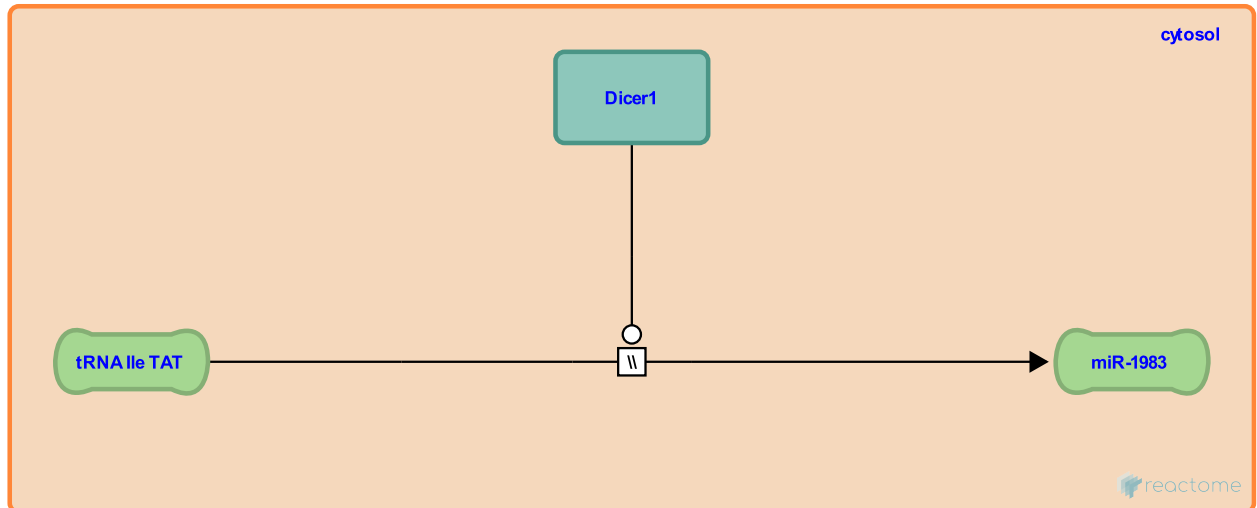
This document contains 1 reaction ([see Table of Contents](#))

## Dicer1 cleaves tRNA Ile TAT to yield miR-1983 [↗](#)

**Stable identifier:** R-MMU-9709033

**Type:** omitted

**Compartments:** cytosol



Dicer1 cleaves tRNA Ile TAT to yield miR-1983 that contains 21 nt from the 3' end of tRNA Ile TAT (Babiarz et al. 2008).

### Literature references

Babiarz, JE., Bartel, DP., Wang, Y., Blelloch, R., Ruby, JG. (2008). Mouse ES cells express endogenous shRNAs, siRNAs, and other Microprocessor-independent, Dicer-dependent small RNAs. *Genes Dev*, 22, 2773-85. [↗](#)

### Editions

|            |                  |           |
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