

MAML recruits CDK8:CCNC to xNICD1

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04/12/2022

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.

The development of Reactome is supported by grants from the US National Institutes of Health (P41 HG003751), University of Toronto (CFREF Medicine by Design), European Union (EU STRP, EMI-CD), and the European Molecular Biology Laboratory (EBI Industry program).

Literature references

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- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
- 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. [↗](#)
- 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. [↗](#)

Reactome database release: 82

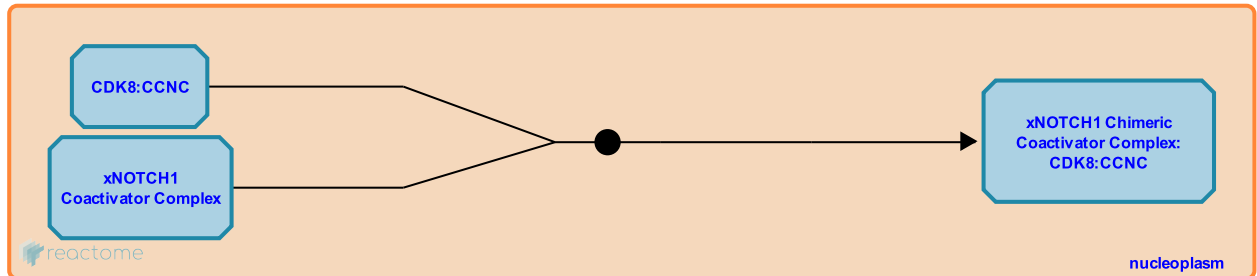
This document contains 1 reaction ([see Table of Contents](#))

MAML recruits CDK8:CCNC to xNICD1 [↗](#)

Stable identifier: R-NUL-2064916

Type: binding

Compartments: nucleoplasm



Recruitment of CDK8 and cyclin C (CDK8:CCNC) by MAML, a constituent of the NOTCH1 coactivator complex, was studied in HeLa cells in which tagged human MAML, CDK8 and CCNC proteins were expressed together with a tagged Xenopus NICD1 (xNICD1).

Literature references

Fryer, CJ., Jones, KA., White, JB. (2004). Mastermind recruits CycC:CDK8 to phosphorylate the Notch ICD and coordinate activation with turnover. *Mol Cell*, 16, 509-20. [↗](#)

Editions

| | | |
|------------|----------|------------------------------|
| 2011-11-14 | Authored | Egan, SE., Orlic-Milacic, M. |
| 2012-02-06 | Reviewed | Haw, R. |
| 2012-02-07 | Edited | D'Eustachio, P. |
| 2012-02-11 | Edited | Orlic-Milacic, M. |