

Ppp3 complex dephosphorylates DARPP-32 on T34

Castagnoli, L., Jassal, B., Le Novere, N.

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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Reactome database release: 77

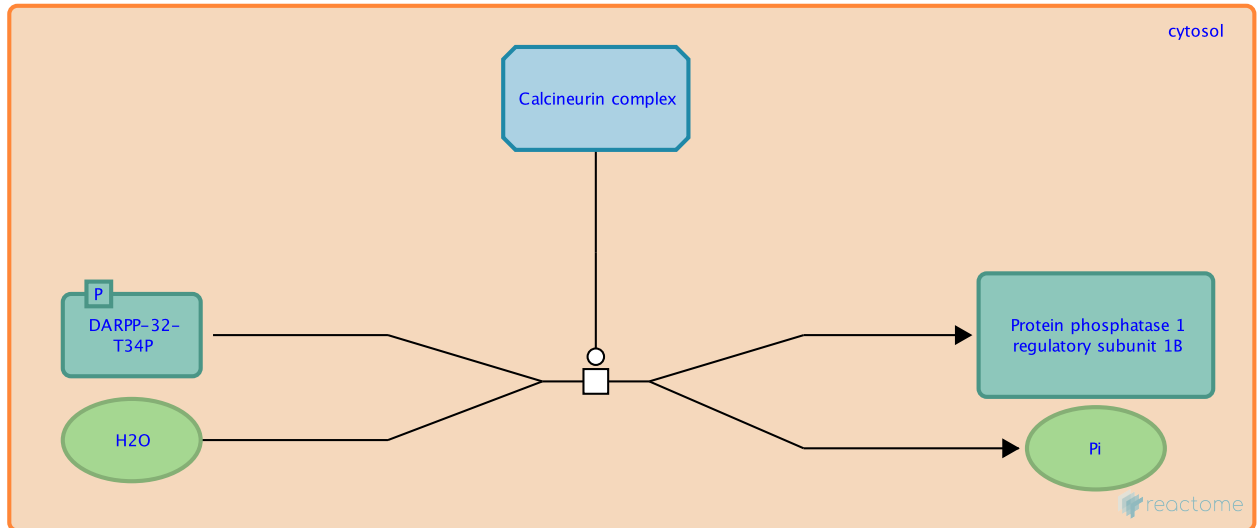
This document contains 1 reaction ([see Table of Contents](#))

Ppp3 complex dephosphorylates DARPP-32 on T34 [↗](#)

Stable identifier: R-RNO-201760

Type: transition

Compartments: cytosol



The human event is deduced on the basis of experiments in rats (Desdouits et al. 1995).

Literature references

Desdouits, F., Siciliano, J.C., Greengard, P., Girault, J.A. (1995). Dopamine- and cAMP-regulated phosphoprotein DARPP-32: phosphorylation of Ser-137 by casein kinase I inhibits dephosphorylation of Thr-34 by calcineurin. *Proc Natl Acad Sci U S A*, 92, 2682-5. [↗](#)

Editions

2004-03-31	Authored	Jassal, B., Le Novere, N.
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