

UPD ligand binds to the HOP:DOME:DOME:HOP complex and ac- tivates HOP

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02/05/2024

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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Reactome database release: 88

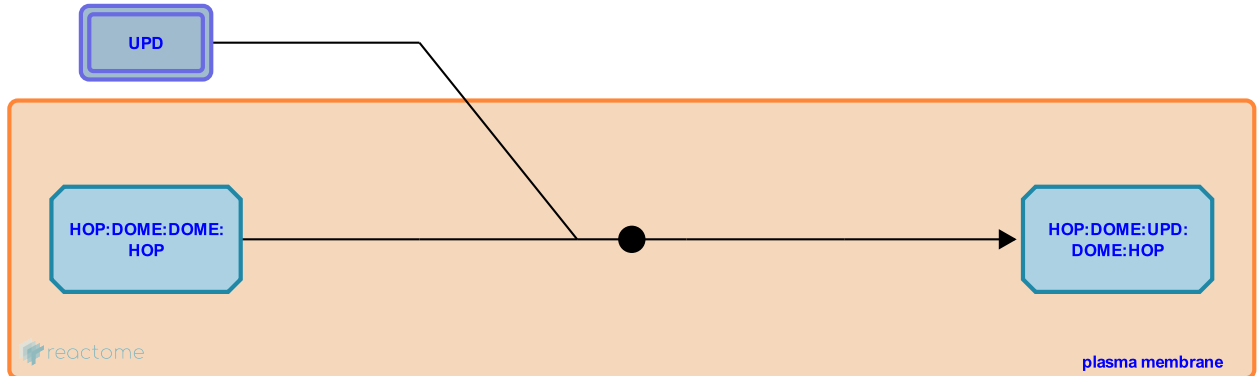
This document contains 1 reaction ([see Table of Contents](#))

UPD ligand binds to the HOP:DOME:DOME:HOP complex and activates HOP [↗](#)

Stable identifier: R-DME-209255

Type: binding

Compartments: extracellular region, plasma membrane



The UPD (OS, UPD2, UPD3) family of ligands bind to the DOME:HOP dimer complex. Ligand binding suggests an induced conformational change in the DOME receptor that brings the HOP proteins, bound to the intracellular domains, closer together. The HOP tyrosine kinase is now activated.

Literature references

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Editions

2006-11-02	Authored	Williams, MG.
2006-11-03	Edited	Williams, MG.
2008-01-16	Reviewed	Perrimon, N.