5-PP-IP5 is phosphorylated to 1,5-(PP)2-IP4 by PPIP5K1/2 in the cytosol

Williams, MG., Wundenberg, T.
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


Reactome database release: 75

This document contains 1 reaction (see Table of Contents)

https://www.reactome.org
5-PP-IP5 is phosphorylated to 1,5-(PP)2-IP4 by PPIP5K1/2 in the cytosol

**Stable identifier:** R-HSA-1855182

**Type:** transition

**Compartments:** cytosol

Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1/2 (PPIP5K1) and 2 (PPIP5K2) phosphorylate inositol 5-diphospho-1,2,3,4,6-pentakisphosphate (5-PP-IP5) to inositol 1,5-bis-diphospho-2,3,4,6-tetrakisphosphate (1,5-(PP)2-IP4) (Fridy et al. 2007, Mulugu et al. 2007, Choi et al. 2007, Lin et al. 2009).

**Literature references**


**Editions**

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