

5-PP-IP4 transports from the nucleus to the cytosol

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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: 88

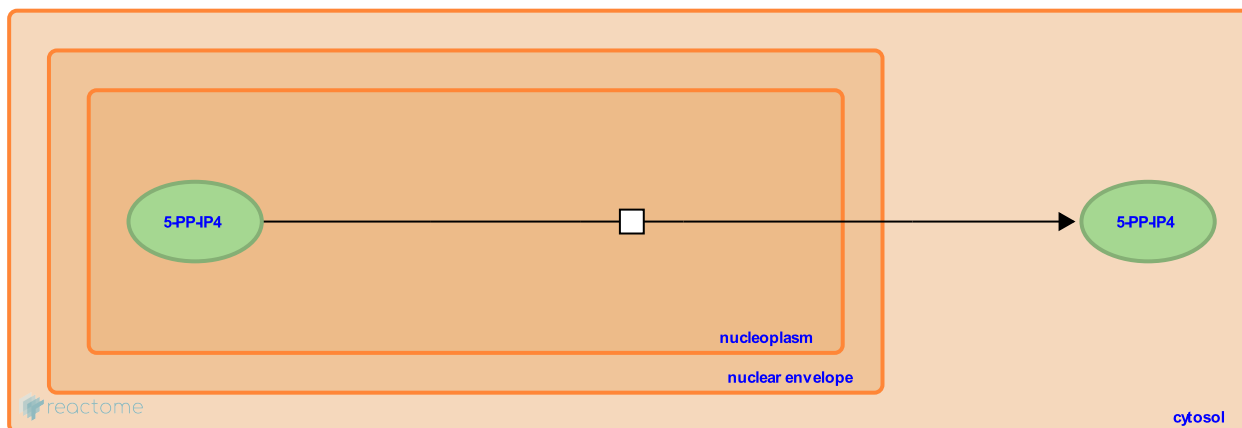
This document contains 1 reaction ([see Table of Contents](#))

5-PP-IP4 transports from the nucleus to the cytosol [↗](#)

Stable identifier: R-HSA-1855173

Type: transition

Compartments: nucleoplasm, cytosol



Inositol 5-diphospho-1,3,4,6-tetrakisphosphate (5-PP-IP4) translocates from the nucleus to the cytosol (Saiardi et al. 2001, Saiardi et al. 2000).

Literature references

Saiardi, A., Snyder, SH., Caffrey, JJ., Shears, SB. (2000). The inositol hexakisphosphate kinase family. Catalytic flexibility and function in yeast vacuole biogenesis. *J Biol Chem*, 275, 24686-92. [↗](#)

Nagata, E., Saiardi, A., Snyder, SH., Snowman, AM., Luo, HR. (2001). Identification and characterization of a novel inositol hexakisphosphate kinase. *J Biol Chem*, 276, 39179-85. [↗](#)

Editions

2011-10-28	Authored, Edited	Williams, MG.
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