Release of PLCG from FCGR

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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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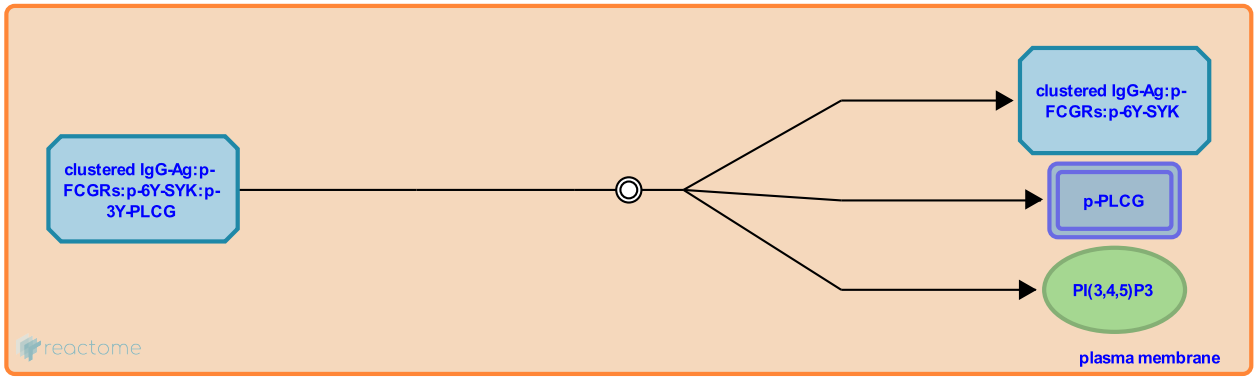
Stable identifier: R-HSA-2029272

Type: dissociation

Compartments: plasma membrane, cytosol, extracellular region



Activated PLCG translocates to the plasmamembrane and interacts with the inositol ring of the membrane bound phosphatidylinositol 4,5-bisphosphate (PIP2) with its PH domain. The active enzyme promotes intracelllular signaling by catalysing the hydrolysis of PIP2 to generate the second messengers IP3 and DAG.

Literature references

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Editions

2012-01-04	Authored, Edited	Garapati, P V.
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