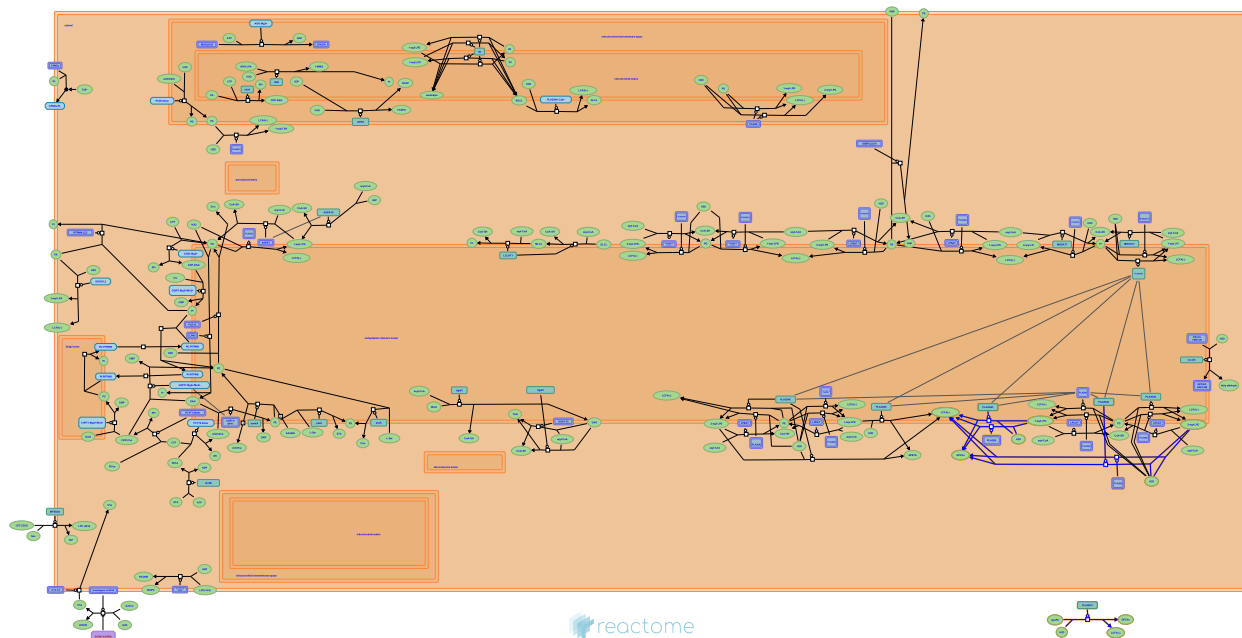


Hydrolysis of LPC



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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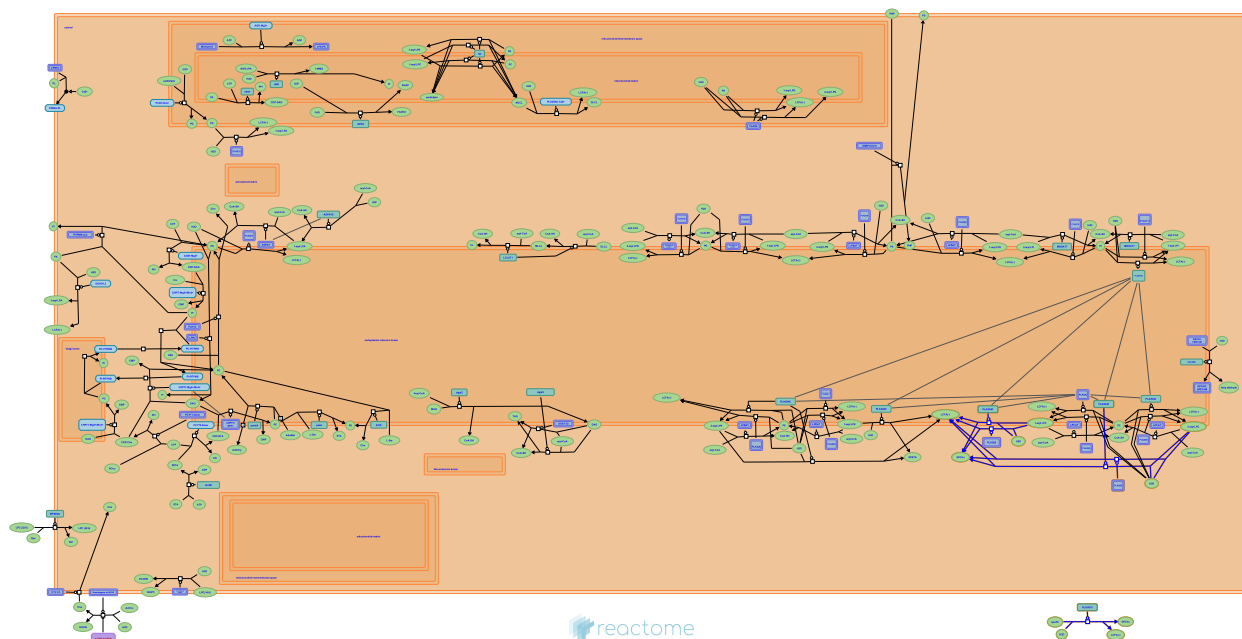
Reactome database release: 74

This document contains 1 pathway and 5 reactions ([see Table of Contents](#))

Hydrolysis of LPC ↗

Stable identifier: R-DDI-1483115

Inferred from: [Hydrolysis of LPC \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

1-acyl LPC is hydrolyzed to GPCho by PLA2[8] ↗

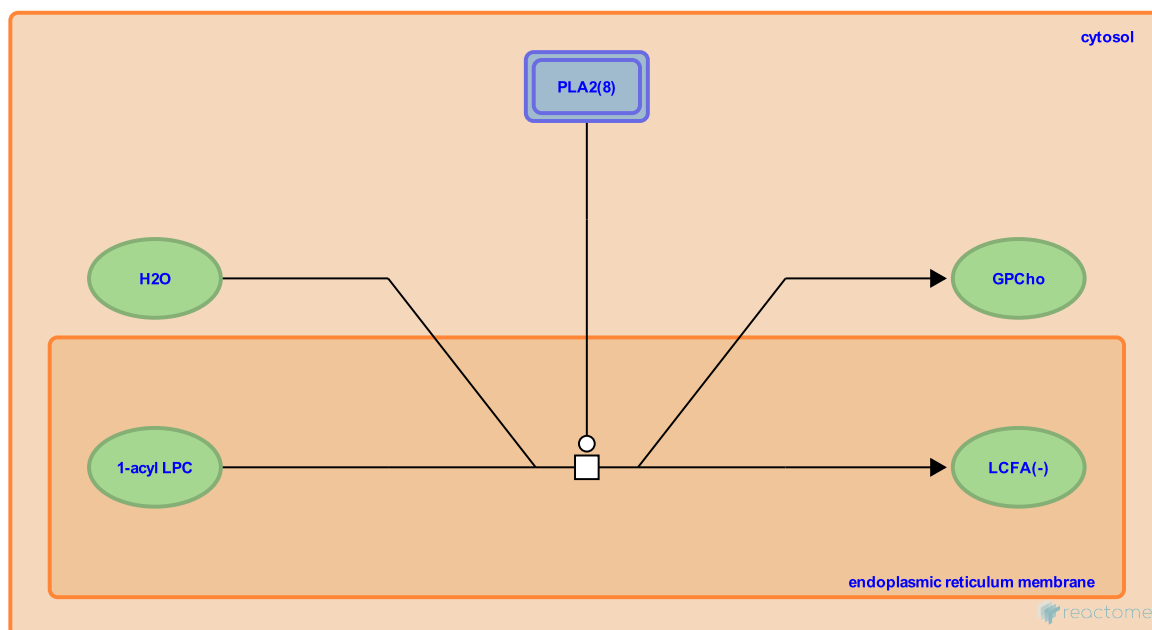
Location: Hydrolysis of LPC

Stable identifier: R-DDI-1482685

Type: transition

Compartments: endoplasmic reticulum membrane, cytosol

Inferred from: 1-acyl LPC is hydrolyzed to GPCho by PLA2[8] (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

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1-acyl LPC is hydrolyzed to GPCho by PLA2G4C ↗

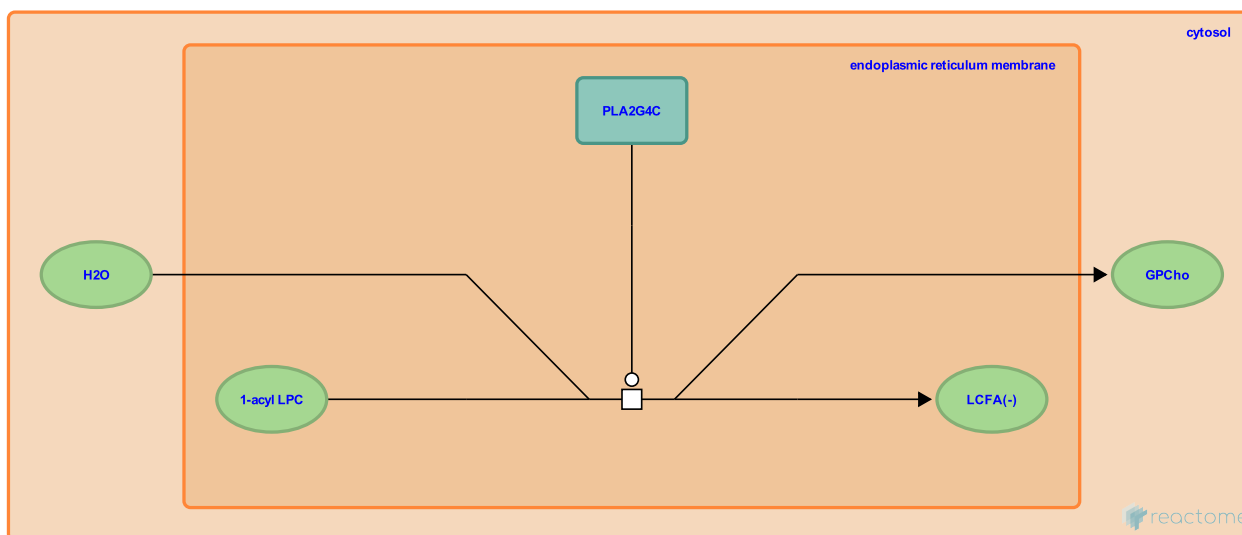
Location: [Hydrolysis of LPC](#)

Stable identifier: R-DDI-1482696

Type: transition

Compartments: endoplasmic reticulum membrane, cytosol

Inferred from: [1-acyl LPC is hydrolyzed to GPCho by PLA2G4C \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

2-acyl LPC is hydrolyzed to GPCho by PLA2[8] ↗

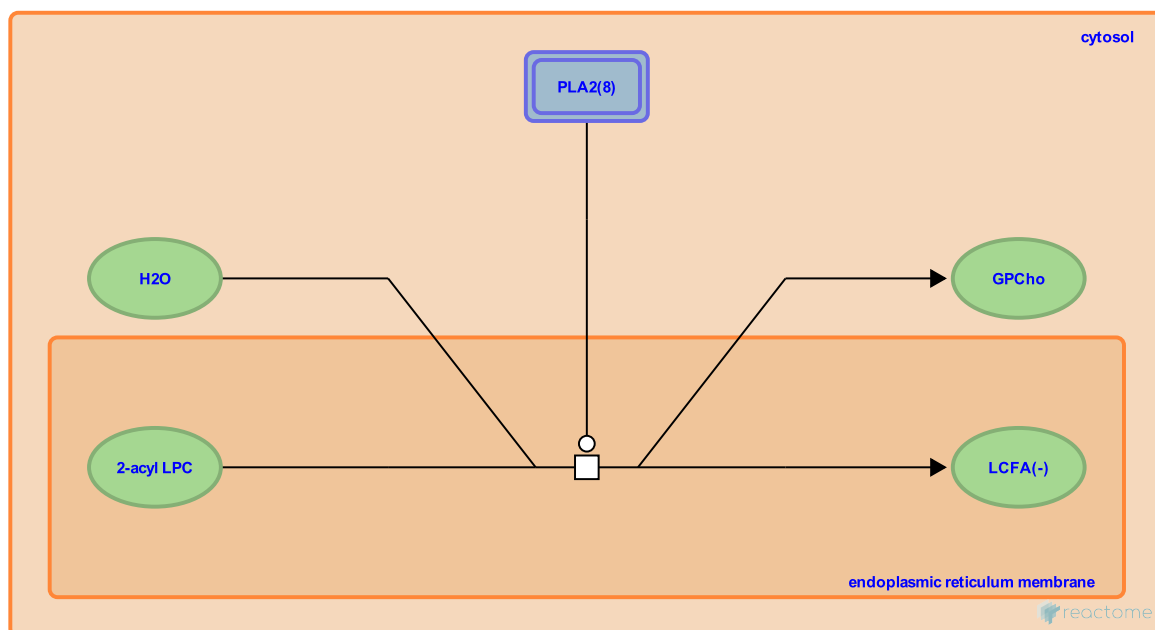
Location: Hydrolysis of LPC

Stable identifier: R-DDI-1482612

Type: transition

Compartments: endoplasmic reticulum membrane, cytosol

Inferred from: 2-acyl LPC is hydrolyzed to GPCho by PLA2[8] (Homo sapiens)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

2-acyl LPC is hydrolyzed to GPCho by PLA2G4C ↗

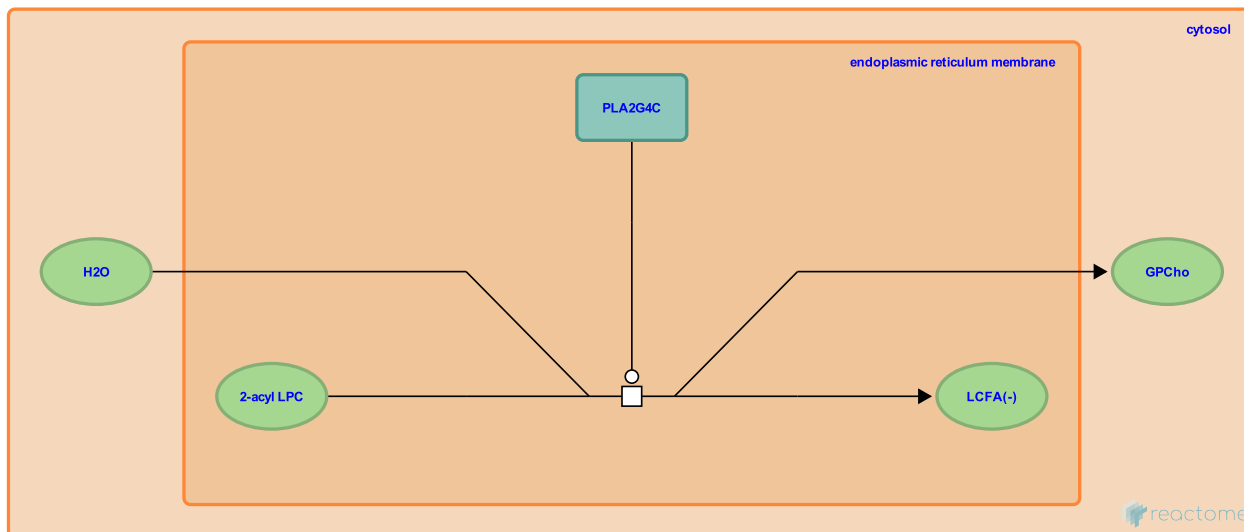
Location: [Hydrolysis of LPC](#)

Stable identifier: R-DDI-1482629

Type: transition

Compartments: endoplasmic reticulum membrane, cytosol

Inferred from: [2-acyl LPC is hydrolyzed to GPCho by PLA2G4C \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

PLA2G15 hydrolyses LPC to GPCho and LCFA(-) ↗

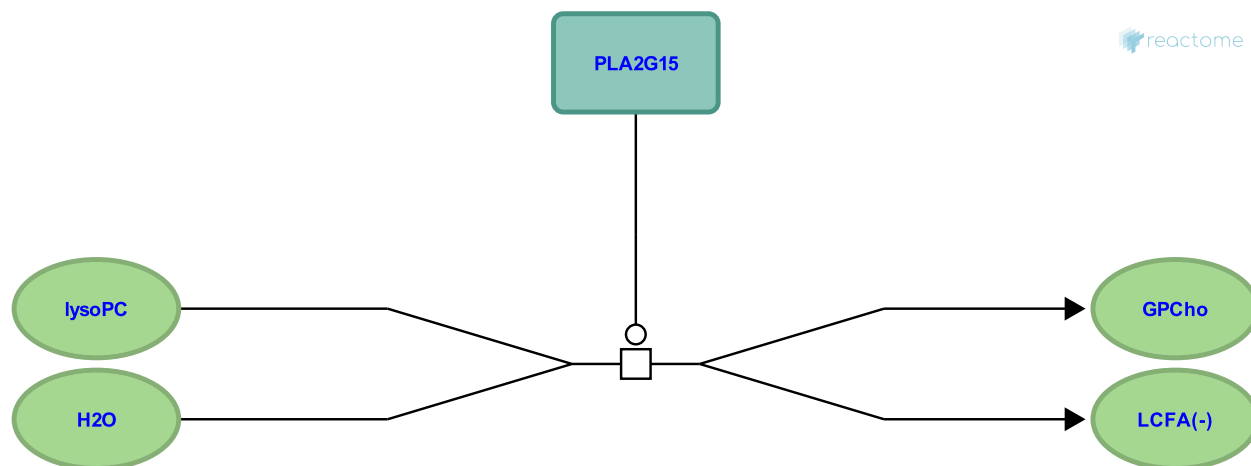
Location: [Hydrolysis of LPC](#)

Stable identifier: R-DDI-8952251

Type: transition

Compartments: extracellular region

Inferred from: [PLA2G15 hydrolyses LPC to GPCho and LCFA\(-\) \(Homo sapiens\)](#)



This event has been computationally inferred from an event that has been demonstrated in another species.

The inference is based on the homology mapping from PANTHER. Briefly, reactions for which all involved PhysicalEntities (in input, output and catalyst) have a mapped orthologue/paralogue (for complexes at least 75% of components must have a mapping) are inferred to the other species. High level events are also inferred for these events to allow for easier navigation.

[More details and caveats of the event inference in Reactome.](/electronic_inference_compara.html) For details on PANTHER see also: <http://www.pantherdb.org/about.jsp>

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