G-protein alpha releases G-protein hetero-trimer from PDCL

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18/05/2024

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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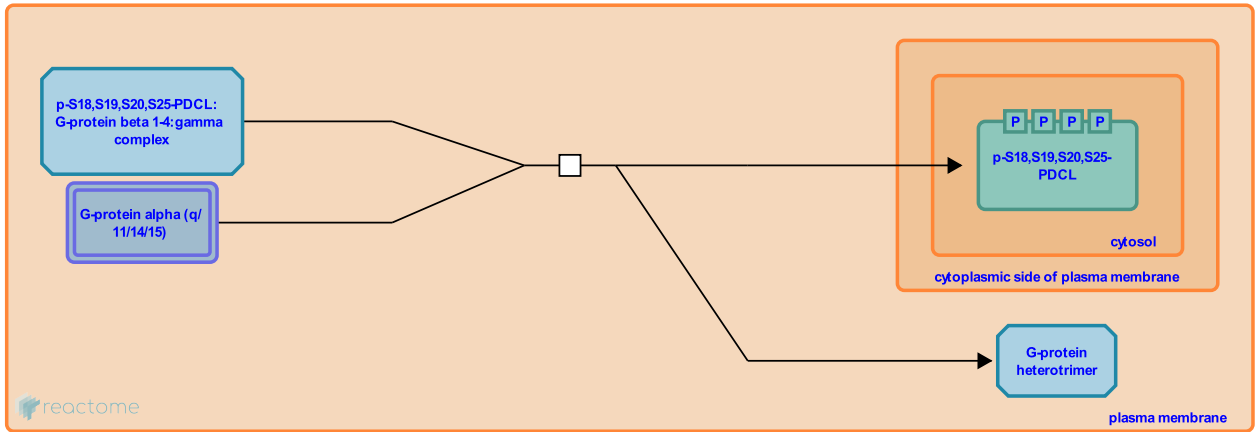
Reactome database release: 88

This document contains 1 reaction (see Table of Contents)

G-protein alpha releases G-protein heterotrimer from PDCL ↗

Stable identifier: R-HSA-8850560

Type: transition

Compartments: cytosol, plasma membrane

G-protein alpha associates with G-protein beta:gamma dimers bound to PDCL (PhLP1), resulting in release of the G-protein heterotrimer from PDCL co-chaperone (Lukov et al. 2005, Plimpton et al. 2015).

Literature references

Lukov, GL., Hu, T., Hamm, HE., McLaughlin, JN., Willardson, BM. (2005). Phosducin-like protein acts as a molecular chaperone for G protein betagamma dimer assembly. *EMBO J., 24,* 1965-75. ↗

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Editions

2015-11-30	Authored, Edited	Orlic-Milacic, M.
2015-12-22	Reviewed	Willardson, BM.