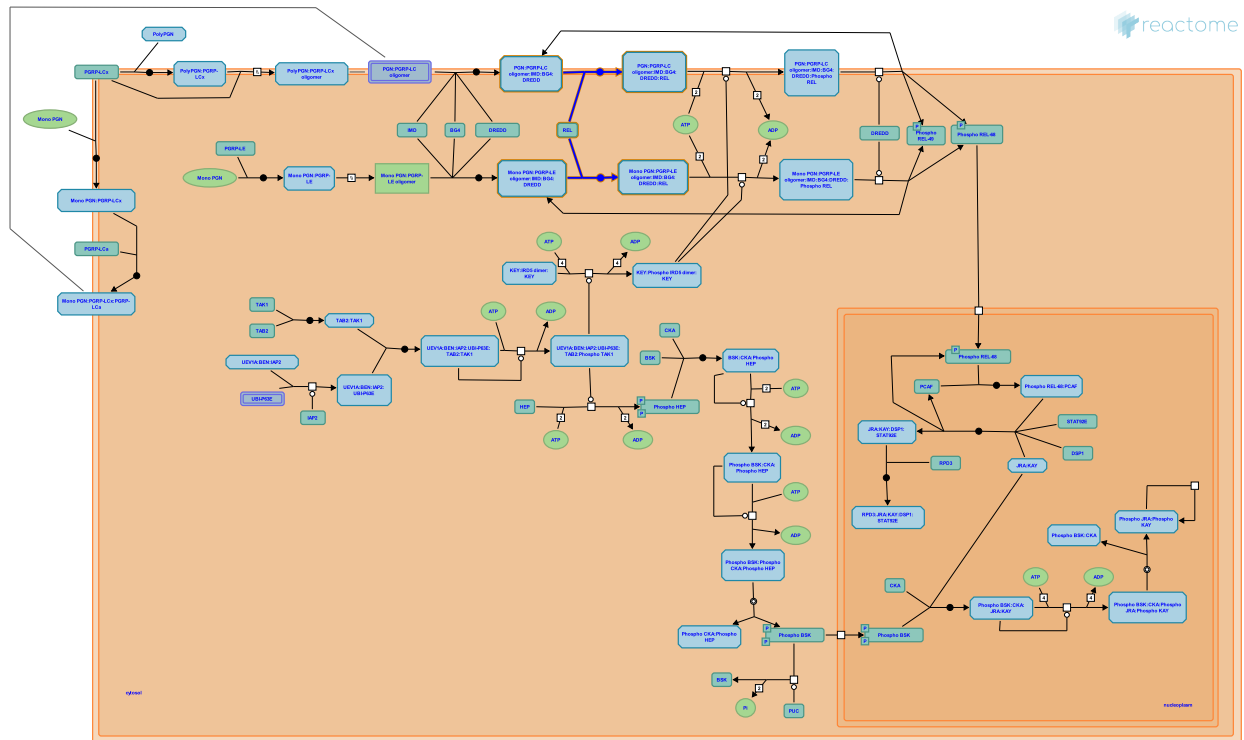


# REL binds to DREDD in the PGN:PGRP-LC/LE receptor 'signalling complex'



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This is just an excerpt of a full-length report for this pathway. To access the complete report, please download it at the [Reactome Textbook](https://reactome.org/textbook).

07/05/2024

## 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

- Fabregat, A., Sidiropoulos, K., Viteri, G., Forner, O., Marin-Garcia, P., Arnau, V. et al. (2017). Reactome pathway analysis: a high-performance in-memory approach. *BMC bioinformatics*, 18, 142. [↗](#)
- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
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- Fabregat, A., Korninger, F., Viteri, G., Sidiropoulos, K., Marin-Garcia, P., Ping, P. et al. (2018). Reactome graph database: Efficient access to complex pathway data. *PLoS computational biology*, 14, e1005968. [↗](#)

Reactome database release: 88

This document contains 1 pathway and 2 reactions ([see Table of Contents](#))



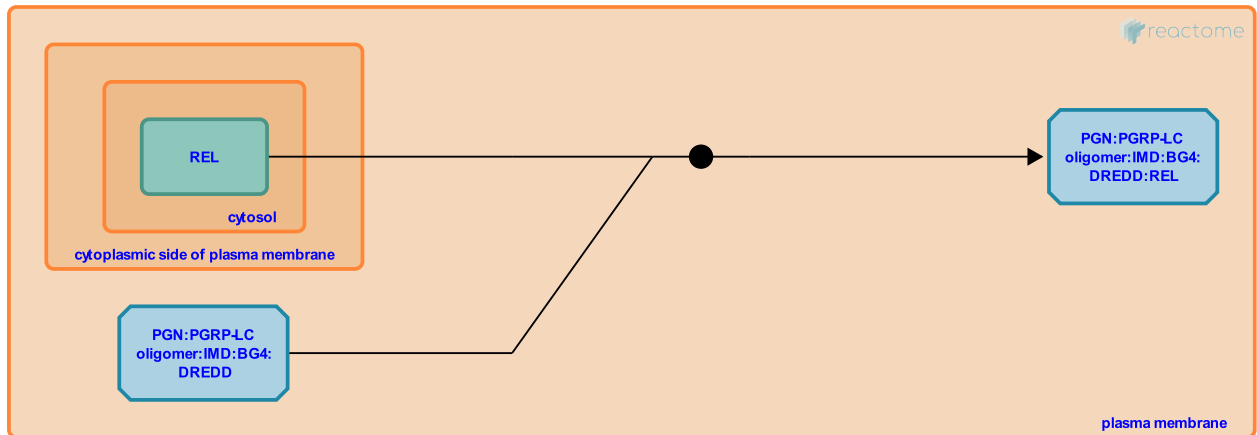
## REL binds to DREDD in the PGN:PGRP-LC oligomer receptor 'signalling complex' ↗

**Location:** REL binds to DREDD in the PGN:PGRP-LC/LE receptor 'signalling complex'

**Stable identifier:** R-DME-209244

**Type:** binding

**Compartments:** plasma membrane, cytosol



The NF-kappaB orthologue, Relish, binds to the caspase-8 orthologue, DREDD.

### Literature references

Erturk, D., Hedengren-Olcott, M., Silverman, N., Engstrom, Y., Junell, A., Hultmark, D. et al. (2003). Caspase-mediated processing of the Drosophila NF-kappaB factor Relish. *Proc Natl Acad Sci U S A*, 100, 5991-6. ↗

### Editions

2007-07-11	Authored	Williams, MG.
2008-06-20	Reviewed	Lemaitre, B., Silverman, N.
2014-05-20	Edited	Williams, MG.

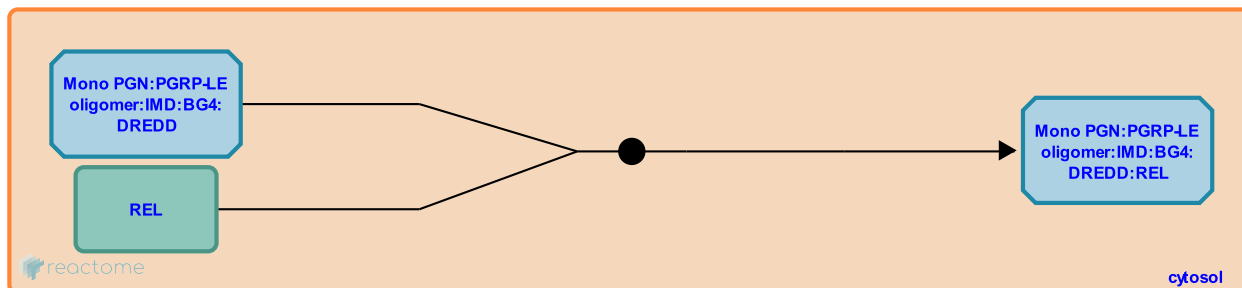
## REL binds to monomeric PGN:PGRP-LE oligomer receptor 'signalling complex' ↗

**Location:** REL binds to DREDD in the PGN:PGRP-LC/LE receptor 'signalling complex'

**Stable identifier:** R-DME-214418

**Type:** binding

**Compartments:** cytosol



The NF-kappaB orthologue, Relish, binds to the caspase-8 orthologue, DREDD.

### Literature references

Erturk, D., Hedengren-Olcott, M., Silverman, N., Engstrom, Y., Junell, A., Hultmark, D. et al. (2003). Caspase-mediated processing of the Drosophila NF-kappaB factor Relish. *Proc Natl Acad Sci U S A*, 100, 5991-6. ↗

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