

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 <u>Reactome Textbook</u>.

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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

- 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. 7
- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. A
- Fabregat, A., Jupe, S., Matthews, L., Sidiropoulos, K., Gillespie, M., Garapati, P. et al. (2018). The Reactome Pathway Knowledgebase. *Nucleic Acids Res, 46*, D649-D655.
- 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. *对*

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

REL binds to DREDD in the PGN:PGRP-LC/LE receptor 'signalling complex' 7

Stable identifier: R-DME-214411





Literature references

Leclerc, V., Reichhart, JM. (2004). The immune response of Drosophila melanogaster. Immunol Rev, 198, 59-71. 🛪

Editions

2007-07-11	Authored	Williams, MG.
2008-02-26	Edited	Williams, MG.
2008-06-20	Reviewed	Lemaitre, B., Silverman, N.

REL binds to DREDD in the PGN:PGRP-LC oligomer receptor 'signalling complex' 7

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. 7

Editions

2007-07-11	Authored	Williams, MG.
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2014-05-20	Edited	Williams, MG.

REL binds to monomeric PGN:PGRP-LE oligomer receptor 'signalling complex' 7

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. 7

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