

Release of 78 kDa glucose-regulated protein

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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. [↗](#)
- Sidiropoulos, K., Viteri, G., Sevilla, C., Jupe, S., Webber, M., Orlic-Milacic, M. et al. (2017). Reactome enhanced pathway visualization. *Bioinformatics*, 33, 3461-3467. [↗](#)
- 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. [↗](#)

Reactome database release: 82

This document contains 1 reaction ([see Table of Contents](#))

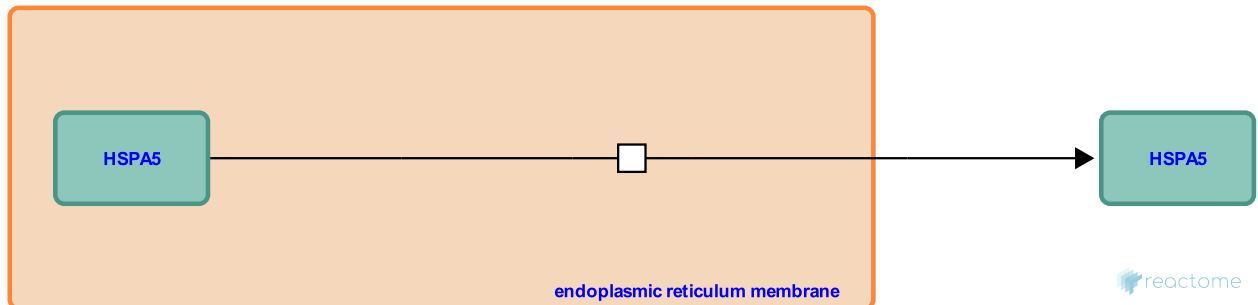
Release of 78 kDa glucose-regulated protein [↗](#)

Stable identifier: R-HSA-351323

Type: transition

Compartments: endoplasmic reticulum membrane, extracellular region

Inferred from: [Release of 78 kDa glucose-regulated protein \(Mus musculus\)](#)



After Platelet activation '78 kDa glucose-regulated protein' from the endoplasmic reticulum lumen is released in to the extracellular platelet releasate.

Literature references

Hagen, I., Gogstad, GO., Solum, NO., Korsmo, R. (1981). Characterization of the proteins of isolated human platelet alpha-granules. Evidence for a separate alpha-granule-pool of the glycoproteins IIb and IIIa. *Biochim Biophys Acta*, 670, 150-62. [↗](#)

Editions

| | | |
|------------|----------|--|
| 2004-09-25 | Authored | de Bono, B., Farndale, R., Pace, NP. |
| 2008-05-07 | Reviewed | Humphries, MJ., Yamada, KM., Hynes, R. |
| 2008-05-13 | Edited | Garapati, P V. |