

Release of mouse platelet cytosolic components

Farndale, R., Humphries, MJ., Hynes, R., Pace, NP., Yamada, KM., de Bono, B.

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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- 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

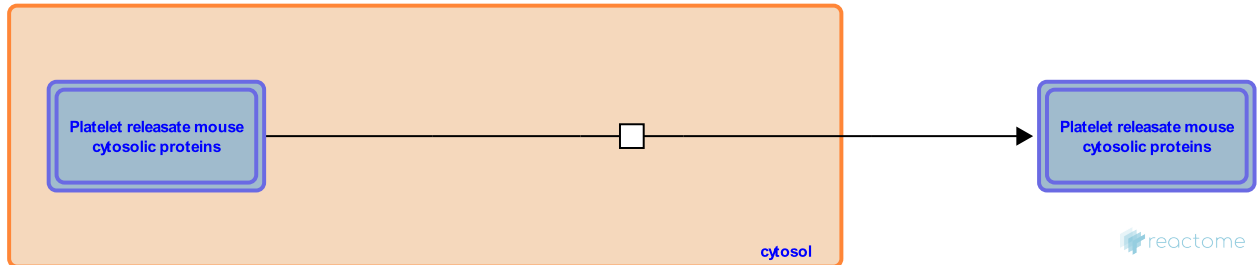
This document contains 1 reaction ([see Table of Contents](#))

Release of mouse platelet cytosolic components [↗](#)

Stable identifier: R-MMU-482767

Type: transition

Compartments: cytosol



Platelet releasate contains a range of proteins that do not originate in specialized storage granules. In some cases platelet lysis may contribute to the presence of these proteins in the platelet releasate.

Literature references

McRedmond, JP., Toomey, S., Fitzgerald, DJ., Cahill, DJ., Belton, O., Maguire, PB. et al. (2004). Characterization of the proteins released from activated platelets leads to localization of novel platelet proteins in human atherosclerotic lesions. *Blood*, 103, 2096-104. [↗](#)

Editions

2004-09-25	Authored	de Bono, B., Farndale, R., Pace, NP.
2008-05-07	Reviewed	Humphries, MJ., Yamada, KM., Hynes, R.