

Fusion of HCMV Envelope with Plasma Membrane

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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. [↗](#)

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Reactome database release: 88

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

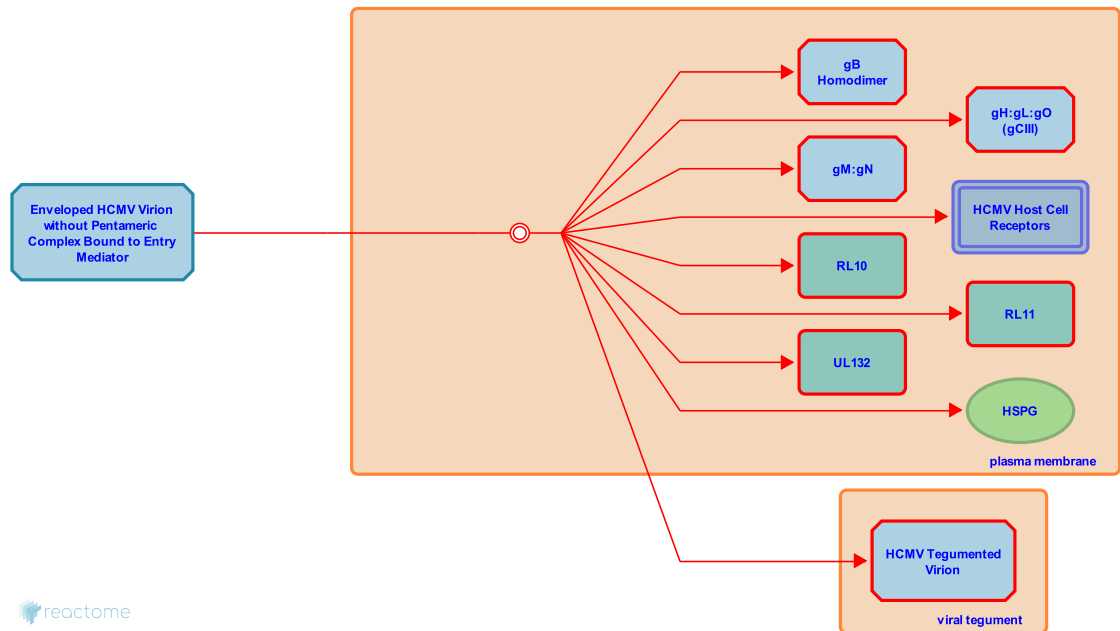
Fusion of HCMV Envelope with Plasma Membrane ↗

Stable identifier: R-HSA-9611158

Type: dissociation

Compartments: plasma membrane

Diseases: viral infectious disease



Once Human cytomegalovirus (HCMV) initial attaches to cell surface heparan sulfate proteoglycans (HSPGs), the virus fuses with the cell membrane.

Literature references

Knipe, DM., Howley, PM. (2013). Chapter 62 - Cytomegaloviruses, Fields Virology. Lippincott Williams & Wilkins.

Editions

2018-06-14	Authored	Gillespie, ME.
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