

Transport of VPU to Plasma Membrane

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04/05/2024

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

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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 reaction ([see Table of Contents](#))

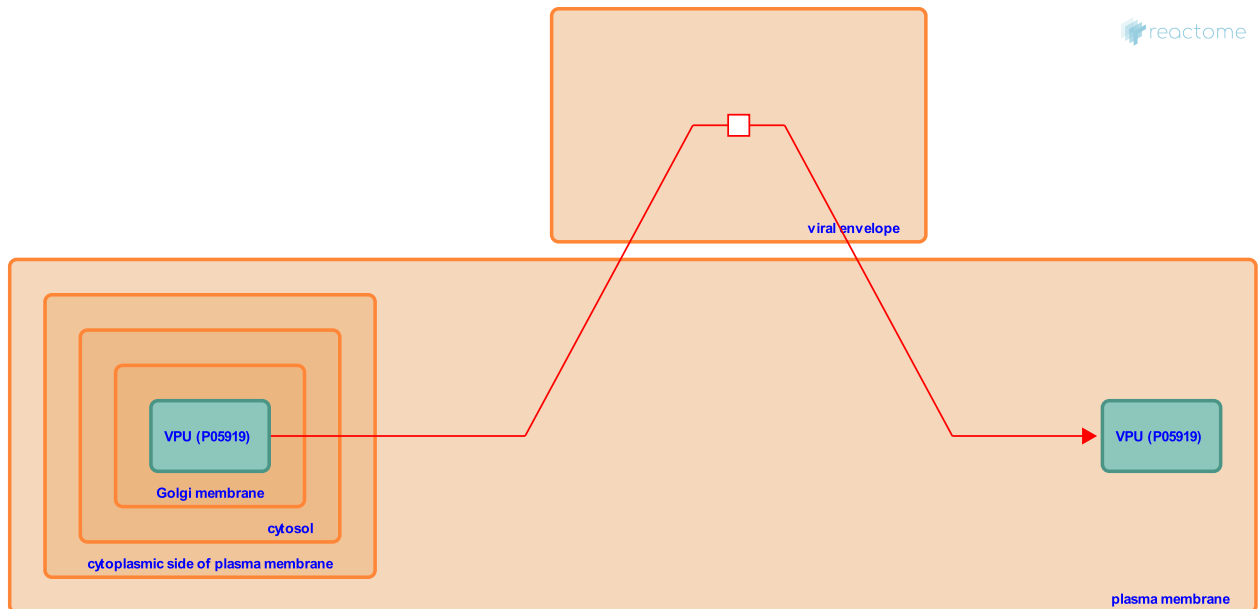
Transport of VPU to Plasma Membrane [↗](#)

Stable identifier: R-HSA-3149432

Type: transition

Compartments: viral envelope

Diseases: Human immunodeficiency virus infectious disease



Once transported to the plasma membrane the VPU protein will be incorporated into the assembling virus. The Vpu accessory protein is found to be required for efficient virion release from some cell lines but completely dispensable in others.

Literature references

Bieniasz, PD., Malim, MH. (2012). HIV Restriction Factors and Mechanisms of Evasion. *Cold Spring Harb Perspect Med*, 2, a006940. [↗](#)

Editions

2013-03-07	Authored	Gillespie, ME.
2013-05-21	Reviewed	Dube, M.
2013-05-23	Edited	Gillespie, ME.