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HIV Budding

National Cancer Institute

Source

National Cancer Institute. *HIV Budding*. NCI Thesaurus. Code C21244.

HIV Budding is a process in which newly generated viral RNA and protein complexes are assembled at, packaged in, and released from the cell surface membrane taking a piece of the cell membrane to form their own viral membranes. To bud from infected cells, HIV-1 employs several host proteins such as endosomal sorting protein Tsg101, which functions in the Vps pathway. The L domain (PTAP) in the p6 domain of HIV-1 Gag interacts with the N-terminal domain of TSG101; the Vps28-binding domain of TSG101 inhibits budding.