



Retro-VSV-G Pseudovirus [HIV Packaging System]

Cat. No.: VRS-0124-YT5291

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

VSV-G pseudovirus is produced by cotransfecting HEK293 cells with plasmid Pqcxix, the plasmid encoding VSV G glycoprotein, and gag/pol expression plasmid using Lipofectamine 2000 (Invitrogen). Pseudovirus-containing supernatant was harvested 48 h following transfection. The supernatant was cleared of cell debris by centrifugation and filtered through a 0.45-µm-pore-size filter.

Product Summary

Type	Pseudovirus
Virus Name	Vesicular stomatitis virus
Virus Packaging Protein	GP
Packaging System	HIV-1 Packaging System
Packaging Cell	HEK293
Titer	>1x 10 ⁸ virus copies/mL
Application Notes	The pseudovirus can be used for the following applications: 1. Antibody neutralization assay, Serum neutralization assay. 2. As virus standard alternative in diagnostic assay or others. 3. Drug screening including vaccine development, viral entry inhibitor development. 4. As a safe virology tool to discover the virus entry mechanisms.

Packaging, Storage & Formulations

Form	Liquid
Storage	Store at -80°C and stable for 6 months from the date of shipment, avoiding freeze/thaw cycles.
Shipping	Dry ice
Note	The pseudovirus can be used under BSL-2 conditions. Please reach out to our scientists for detailed instructions or guidelines of the pseudovirus.

Target Details

Introduction	Vesicular stomatitis virus (VSV) is a bullet-shaped, single-stranded negative sense RNA virus and belongs to the family Rhabdoviridae, genus Vesiculovirus. VSV structure is a virus. Structurally, it is composed of a lipid-glycoprotein envelope surrounding the nucleoprotein core. The envelope is composed of glycoprotein (G) protein and matrix (M) protein. G protein mediates viral attachment to an LDL receptor (LDLR) or an LDLR family member present on the host cell. M protein not only is a structural protein but likely responsible for the pathogenesis by inhibiting innate interferon responses.
Alternative Names	VSV-G; VSIVgp4 glycoprotein; G glycoprotein;VSV
Gene ID	1489834

Virus Details

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Virus Classification	Negative-sense RNA virus
Virus Family	<i>Rhabdoviridae</i>
Virus Subfamily	<i>Alpharhabdovirinae</i> ;
Virus Genus	<i>Vesiculovirus</i>
Species	<i>Vesicular stomatitis virus</i>
Virus Abbrev	VSV
Virus Name	Vesicular stomatitis virus
Virus Alternatives Names	VSV
Genome Composition	ssRNA(-)
Related Disease	Vesicular stomatitis