



# Pseudotyped VSV-SARS-CoV-2 S-ΔG-GFP (Omicron variant, BA.4/BA.5) (COV-PSV47)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Pseudotyped VSV-SARS-CoV-2 S-ΔG-GFP (Omicron variant, BA.4/BA.5) encodes the antigenomic-sense (or positive-sense) RNA of a replicaton-restricted recombinant vesicular stomatitis virus (rVSV) in which the glycoprotein (G) gene has been replaced with SARS-CoV-2 spike protein (T19I, LPPA24S, HV69del, G142D, V213G, G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, L452R, S477N, T478K, E484A, F486V, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K). Because the infectivity of Pseudotyped VSV-SARS-CoV-2 S-ΔG-GFP is restricted to a single round of replication, the pseudotypes can be handled using BSL-2 containment practices. The pseudotype VSV particles encode GFP together with the VSV nucleocapsid (N), phosphoprotein (P), glycoprotein (G), and large polymerase subunit (L) in their pVSV-ΔG vector. When the VSV pseudovirus infect the target cells, GFP expression is proportional to the number of cells that were infected.

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| <b>Specificity</b> | SARS-CoV-2  |
| <b>Species</b>     | Virus   |
| <b>Size</b>        | 1 mL  |
| <b>Storage</b>     | Store at -80°C. Multiple freeze/thaw cycles not recommended.<br>When using the virus, transfer the virus from the -80° C refrigerator and melt it in an ice bath. |
| <b>Ship</b>        | Frozen on dry ice   |

## BACKGROUND

### Keywords

SARS-CoV-2; Coronavirus; SARS-CoV; SARS-CoV-2 Envelope Protein; SARS-CoV-2 Envelope glycoprotein; SARS-CoV-2 glycoprotein; Severe Acute Respiratory Syndrome; Severe Acute Respiratory Syndrome-2; Severe Acute Respiratory Syndrome glycoprotein;

Severe Acute Respiratory Syndrome-2 glycoprotein; SARS-CoV-2 Pseudovirus; SARS-CoV  
Pseudovirus; SARS Pseudovirus;

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