

Lentivirus Packaging Mix Powered by MISSION® Genomics

Product Data Sheet

Instructions for MIR 6630 and 6640

Full Protocol, SDS and Certificate of Analysis available at mirusbio.com/literature

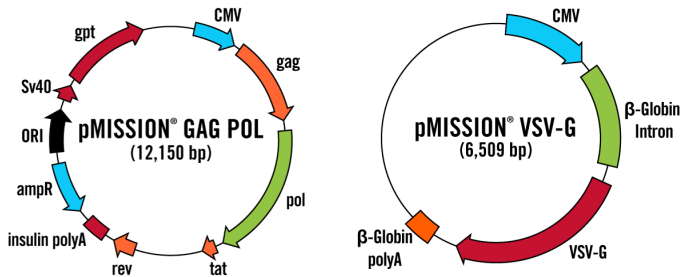


SPECIFICATIONS

Storage	Store Lentivirus Packaging Mix Powered by MISSION® Genomics at -20°C.
Product Guarantee	One year from the date of purchase, when properly stored and handled.
Product Configuration	Contains optimized mixture of packaging plasmids (0.1 µg/µl final stock concentration). Available in 5 reaction (0.25 ml, MIR 6630) or 34 reaction (1.7 ml, MIR 6640) quantities. <i>Note: Number of reactions is based on material used per 10-cm dish transfection.</i>

Product Description: The Lentivirus Packaging Mix Powered by MISSION® Genomics (0.1 µg/µl stock concentration) is an optimized formulation of two plasmids expressing the structural and regulatory (*gag*, *pol* and *rev*) and viral envelope (*VSV-G*) proteins required for producing high titer lentivirus with broad viral tropism. Lentivirus is produced by co-transfecting the Lentivirus Packaging Mix (second generation) and a compatible second or third generation transfer vector encoding the gene of interest (GOI) into adherent or suspension HEK 293 cells. Lentivirus particles are secreted into the cell culture medium where they are collected at 48 hours post-transfection, filtered and frozen into aliquots for subsequent transduction into target cells. The Lentivirus Packaging Mix is sold separately or as part of the *TransIT®* Lentivirus System (MIR 6650).

Plasmid Maps:



**Not all features shown for clarity. MISSION® is a registered trademark of Sigma-Aldrich® Co. LLC.*

Additional Information: Recombinant lentivirus produced with the Lentivirus Packaging Mix and a third generation lentivirus transfer vector should not produce replication competent viral particles due to designed safety features (e.g. chimeric 5'LTR/RSV and SIN incorporation through a major deletion of the 3'LTR). Standard safe laboratory practices should be maintained when using all chemical transfection reagents and lentiviral components. For more information on lentivirus production, including transfection and transduction protocols with the *TransIT®* Lentivirus System, please visit www.mirusbio.com/literature.

For Research Use Only

► NOTES



SDS and Certificate of Analysis available at mirusbio.com/literature

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Rev2 13SEP2024

Mirus Bio LLC

www.mirusbio.com | techsupport@mirusbio.com | U.S. Toll Free: 844.647.8724 | Direct: +1.608.441.2852