pMD2.G Plasmid — VSV-G Envelope Lentiviral Vector

SPECIFICATION MANUAL

PRODUCT TECHNICAL PROFILE

Catalog Number	PVTY00387
Product Name	pMD2.G
Plasmid Type	Lentiviral Vector (Envelope Plasmid)
Plasmid Size	5824 bp
Promoter	CMV (Cytomegalovirus Immediate Early Promoter)
Selection Marker	Ampicillin (Amp^R)
Expression Host	Mammalian Cells
Cloned Strain	Stbl3 (recommended)
Induction Mode	No Induction (Constitutive Expression)
Vector Label	VSV-G (Vesicular Stomatitis Virus G glycoprotein, Indiana strain)
Culture Conditions	37°C, Aerobic LB Medium
5' Sequencing Primer	`CMV-F: CGCAAATGGGCGGTAGGCGTG`
Compatible Systems	pSPAX2, pLKO system, Aebischer & Trono lab lentiviral vectors
Form / Size	Lyophilized powder / 2μg per vial

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PLASMID VECTOR MAP



SEQUENCE INFORMATION

GGATCCCCTGAGGGGGCCCCCATGGGCTAGAGGATCCGGCCTCGGCCTCTGCATAAATAAAAAAAATTAG
TCAGCCATGAGCTTGGCCCATTGCATACGTTGTATCCATATCATAATATGTACATTTATATTGGCTCATG
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GTGCCACCTGACGT//
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Caution:

1. This product is **FOR RESEARCH USE ONLY**! Not intended for diagnostic or therapeutic applications.
2. The plasmid is supplied in lyophilized form. Centrifuge at 5000 rpm for 1 minute before opening.
3. Reconstitute with 20 µl of sterile ddH_2O to achieve a working concentration.
4. Store at -20°C for long-term stability. Avoid repeated freeze-thaw cycles.

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5. Handle under appropriate biosafety level (BSL-2) conditions when producing lentiviral particles.

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