

# pOET1 Transfer Plasmid

## Product Data Sheet

Product information for MIR 6150

SDS and Certificate of Analysis available at [mirusbio.com/literature](http://mirusbio.com/literature)



### SPECIFICATIONS

Storage	Store pOET1 Transfer Plasmid DNA at -20°C.
Product Guarantee	1 year from the date of purchase, when properly stored and handled.
Concentration	20 µl plasmid DNA at 500 ng/µl, sterile filtered in TE Buffer.

**Plasmid Description:** pOET1, officially pOET1.1, is a baculovirus transfer vector designed to facilitate high level expression of foreign genes under the AcMNPV polyhedrin promoter in insect cells. Vector features include a Col E1 origin of replication, an ampicillin resistance gene for selection in *E. coli* and a multiple cloning site (MCS) containing multiple unique restriction sites for insertion of the gene of interest in the correct orientation. Following transfection into insect cells, the AcMNPV sequences flanking the expression cassette allow recombination into the baculovirus genome which replicates to produce baculovirus that can be harvested directly from culture medium. pOET1 is compatible with the *flashBAC*<sup>™</sup> System or any baculovirus expression system that utilizes homologous recombination at the polyhedrin locus in insect cells.

#### Plasmid Features:

AcMNPV: 623 - 1769

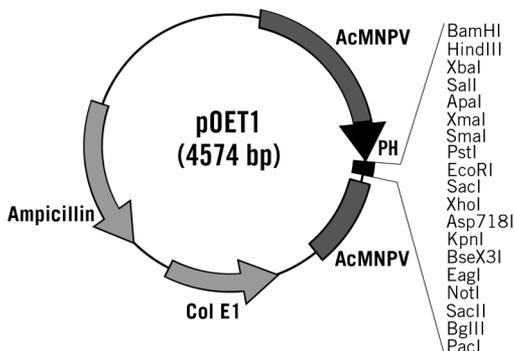
Polyhedron (PH) Promoter: 1770 - 1870

Multiple Cloning Site (MCS): 1908 - 1986

AcMNPV: 2022 - 2606

Col E1 Replication Origin: 2812 - 3431

Amp Resistance Marker: 3586 - 4446



**Additional Information:** All pOET vectors can be propagated in DH5α or other general purpose *E. coli* strains. For more information on baculovirus expression using the *flashBAC*<sup>™</sup> System, pOET transfer plasmids or optimized insect cell transfections using *TransIT*<sup>®</sup>-Insect Transfection Reagent, please visit [www.mirusbio.com](http://www.mirusbio.com).

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## ► NOTES



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*flashBAC*™ Systems and pOET vectors are sold by Mirus Bio through partnership with Oxford Expression Technologies, Oxford, UK.

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