

pOET1 Transfer Plasmid

Product Data Sheet

Product information for MIR 6150

SDS and Certificate of Analysis available at mirusbio.com/6150



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 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 14 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*™ System or any baculovirus expression system that utilizes homologous recombination at the polyhedrin locus in insect cells.

Plasmid Features:

AcMNPV: 623 - 1769

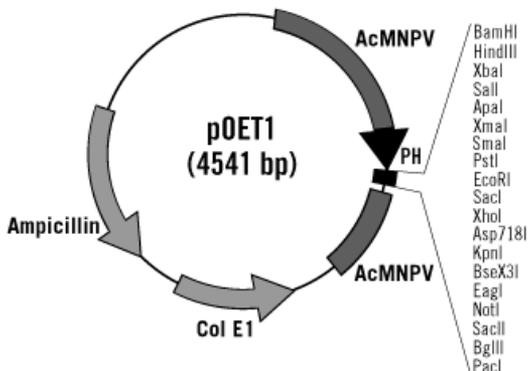
Polyhedron (PH) Promoter: 1770 - 1870

Multiple Cloning Site (MCS): 1875 - 1953

AcMNPV: 1989 - 2573

Col E1 Replication Origin: 2779 - 3398

Amp Resistance Marker: 3553 - 4413



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*™ System, pOET transfer plasmids, or optimized insect cell transfections using *TRANSIT*®-Insect Transfection Reagent, please visit www.mirusbio.com.

For Research Use Only

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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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Rev.A 1216

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