

# pOET1C 6xHis Transfer Plasmid

## Product Data Sheet

Product information for MIR 6151

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



### SPECIFICATIONS

Storage	Store pOET1C_6xHis 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:** pOET1C\_6xHis, officially pOET1.1C\_6xHis, is a baculovirus transfer vector designed to facilitate high level expression of foreign genes under the AcMNPV polyhedrin promoter in insect cells. 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 the cell culture medium. pOET1C\_6xHis plasmid features include a Col E1 origin of replication, an ampicillin resistance gene for selection in *E. coli*, a multiple cloning site (MCS) for insertion of the foreign gene in the correct frame and orientation and a C-terminal 6xHis-Tag<sup>®</sup> fusion sequence that may be utilized for recombinant protein purification with Ni-NTA agarose columns and removed by subsequent incubation with the proteolytic enzyme, Thrombin. pOET1C\_6xHis 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

Polyhedrin (PH) promoter: 1770 - 1870

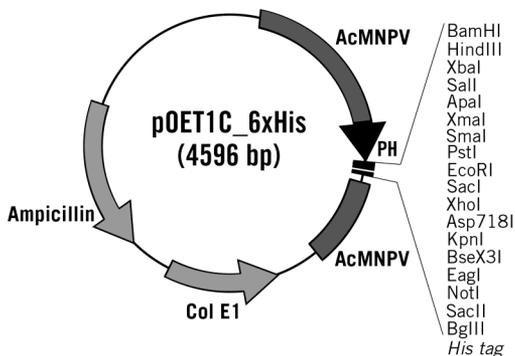
Multiple Cloning Site (MCS): 1908 - 1982

6xHis: 1982 - 2000

AcMNPV: 2012 - 2628

Col E1 Replication Origin: 2834 - 3453

Amp Resistance Marker: 3608 - 4468



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

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