

pOET6 BacMam Transfer Plasmid

Product Data Sheet

Product information for MIR 6152  
SDS and Certificate of Analysis available at [mirusbio.com/6152](http://mirusbio.com/6152)

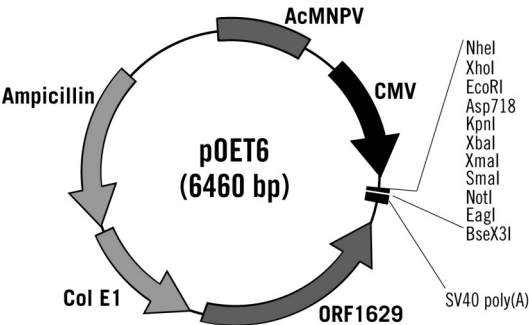


SPECIFICATIONS

|                   |   |
|-------------------|---|
| Storage           | Store pOET6 BacMam 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:** pOET6 BacMam is a baculovirus transfer vector designed to facilitate the expression of foreign genes in mammalian cells under the cytomegalovirus (CMV) immediate early gene promoter. Vector features include an ampicillin resistance gene for selection in *E. coli*, a Col E1 origin of replication, a CMV promoter to drive constitutive foreign gene expression and a multiple cloning site (MCS) containing 11 unique restriction sites for inserting the gene in the correct orientation. Following transfection into insect cells, the AcMNPV and ORF1629 sequences flanking the expression cassette allow recombination into the baculovirus genome which then replicates to produce baculovirus that can be harvested directly from the cell culture medium. Purified baculovirus can be used to transduce a variety of mammalian cells in a titer-dependent manner. pOET6 BacMam 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: 329 - 1156
  - CMV (promoter): 1380 - 2188
  - Multiple Cloning Site (MCS): 2252 - 2303
  - SV40 poly(A) Signal: 2313 - 2434
  - ORF1629: 2580 - 3921
  - Col E1 Replication Origin: 4169 - 4788
  - Amp Resistance Marker: 4943 - 5803



**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](http://www.mirusbio.com).

For Research Use Only

## ► 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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