

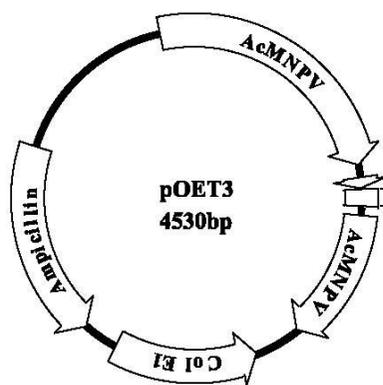


QUICK START GUIDE to pOET3

Catalogue Number	200104
Storage	Tightly capped at -20°C
Product Guarantee	1 year from the date of purchase, when properly stored and handled

pOET3 is a baculovirus transfer vector designed for high level expression of foreign genes under the late AcMNPV basic (*p6.9*) promoter. Using this promoter will provide earlier expression compared to the polyhedrin promoter. This has been shown to be beneficial when expressing proteins which require extensive post translational modifications i.e. glycosylation. The vector is smaller than other available transfer vectors (4530bp) which greatly facilitates the cloning steps. It has a bacterial origin of replication and an ampicillin resistance gene for selection in *E. coli*. The polyhedrin sequences have been replaced by a multiple cloning site (MCS) containing unique restriction sites for insertion of the foreign gene in the correct orientation. The AcMNPV sequences flanking the gene in the transfer vector's MCS allow recombination with the viral DNA to insert the expression cassette into the polyhedrin locus. pOET3 is compatible with any baculovirus system that utilizes homologous recombination in insect cells.

p6.9 1823-1863
MCS 1864-1942
AcMNPV 1978-2562
Col EI 2768-3387
Ampicillin 3542-4402



BamHI
HindIII
XbaI
Sall
Apal
XmaI
SmaI
PstI
EcoRI
SacI
XhoI
Asp718I
KpnI
BseX3I
EagI
NotI
SacII
BglII
PacI

Multiple Cloning Site - 1864 to 1942

|SacII
|NotI
|EagI

Related OET Products:

Baculovirus expression vectors

*flashBAC*TM: 5, 24 and 96 reaction
flashBAC GOLD: 3, 5 and 24 reaction
flashBAC ULTRA: 3, 5 and 24 reaction
flashBAC PRIME: 5 and 24 reaction

Transfection reagents

baculoFECTIN II: 150µl and 1ml

Transfection medium

Expression System: 20ml and 100ml transfection media

Virus titration tools

baculoQUANT all-in-one
Sf21 (plaque assay cells)
Plaque assay service work

Cell culture media

Expression systems insect cell culture media and supplementary growth reagents

Keep up to date with our online tips on our OETips webpages and our OETips blog (www.oetltd.wordpress.com).

Experiencing any troubles? Please feel free to contact our staff at info@oetltd.com and we would be happy to help however we can.



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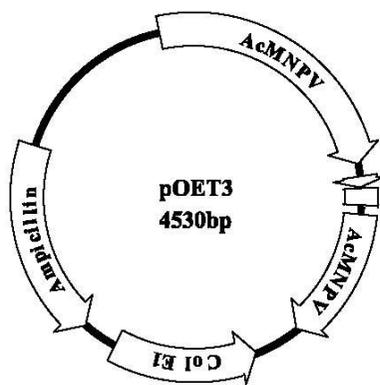
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OXFORD
EXPRESSION
TECHNOLOGIES

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p6.9 1023-1063
MCS 1064-1942
AcMNPV 1970-2562
Col EI 2760-3307
Ampicillin 3542-4402



BamHI
HindIII
XbaI
SalI
ApaI
XmaI
SmaI
PstI
EcoRI
SacI
XhoI
Asp718I
KpnI
BseX3I
EagI
NotI
SacII
BglII
PacI

Multiple Cloning Site - 1064 to 1942

|SacII
|NotI
|EagI

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