



QUICK START GUIDE to pOET2C_6xHis

| | |
|-------------------|--|
| Catalogue Number | 2001032 |
| Storage | Tightly capped at -20°C |
| Product Guarantee | 1 year from the date of purchase, when properly stored and handled |

pOET2C_6xHis is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedrin (*polh*) promoter. The vector encodes an optional C-terminal 6xHis-Tag[®] fusion sequence that may be utilized. This greatly eases the purification of the recombinant protein since the 6xHis-containing fusion proteins bind with high affinity to Ni-NTA Agarose. pOET2C_6xHis has a Col E1 origin of replication and an ampicillin resistance gene for selection in *E. coli*. The *polh* sequences have been replaced by a multiple cloning site (MCS) containing unique restriction enzyme sites for insertion of the foreign gene in the correct orientation, as shown on the circular map. 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 *polh* locus. pOET2C_6xHis is compatible with any baculovirus system that utilizes homologous recombination in insect cells.

AcMNPV 336-1782
Pr_{PH} 1770-1870
MCS 1879-1979
His tag 1979-1997
AcMNPV 2009-2625
Col E1 2831-3450
Ampicillin 3605-4465



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

Related OET Products:

Baculovirus expression vectors

flashBAC[™]: 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.



Oxford Expression Technologies Ltd

Oxford Brookes Campus, Gipsy Lane, Oxford. OX3 0BP

t: +44 (0) 1865 483236

e: info@oetltd.com

f: +44 (0) 1865 483250

w: www.oetltd.com



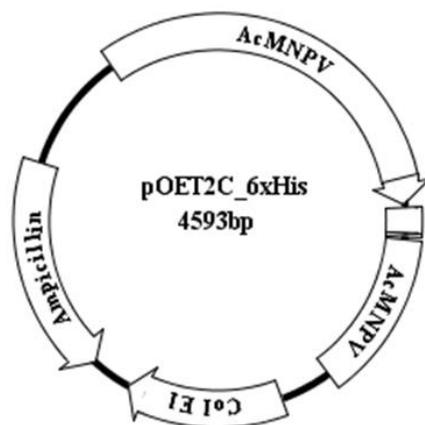


QUICK START GUIDE to pOET2C_6xHis

| | |
|--------------------------|--|
| Catalogue Number | 2001032 |
| Storage | Tightly capped at -20°C |
| Product Guarantee | 1 year from the date of purchase, when properly stored and handled |

pOET2C_6xHis is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedrin (*polh*) promoter. The vector encodes an optional C-terminal 6xHis-Tag[®] fusion sequence that may be utilized. This greatly eases the purification of the recombinant protein since the 6xHis-containing fusion proteins bind with high affinity to Ni-NTA Agarose. pOET2C_6xHis has a Col E1 origin of replication and an ampicillin resistance gene for selection in *E. coli*. The *polh* sequences have been replaced by a multiple cloning site (MCS) containing unique restriction enzyme sites for insertion of the foreign gene in the correct orientation, as shown on the circular map. 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 *polh* locus. pOET2C_6xHis is compatible with any baculovirus system that utilizes homologous recombination in insect cells.

AcMNPV 336-1782
Pr_PH 1770-1870
MCS 1879-1979
His tag 1979-1997
AcMNPV 2009-2625
Col E1 2831-3450
Ampicillin 3605-4465



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

Related OET Products:

Baculovirus expression vectors

flashBAC[™]: 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.



Oxford Expression Technologies Ltd

Oxford Brookes Campus, Gipsy Lane, Oxford. OX3 0BP

t: +44 (0) 1865 483236

e: info@oetltd.com

f: +44 (0) 1865 483250

w: www.oetltd.com

