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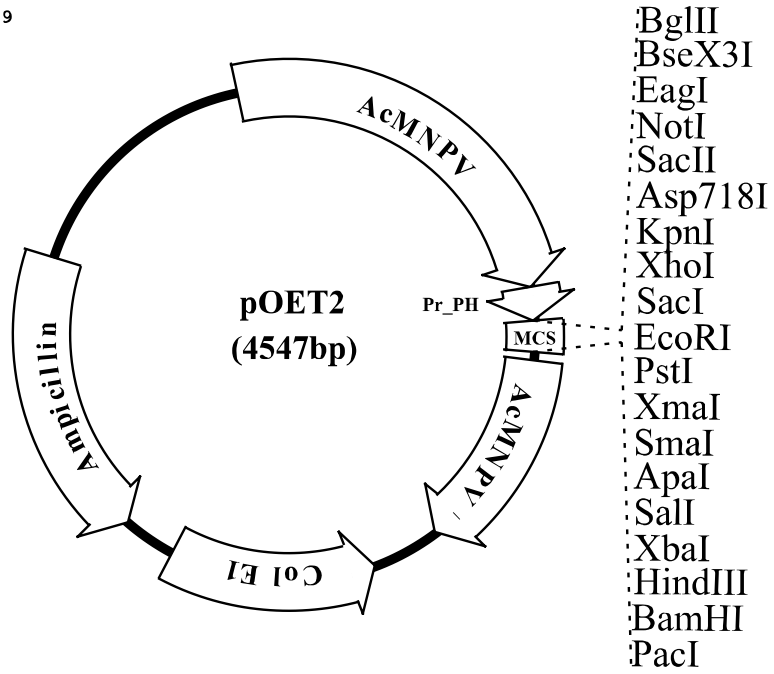
pOET2 transfer plasmid

pOET2 is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedron (*polh*) promoter. The vector is smaller than other available transfer vectors (4547bp) which greatly facilitate the cloning steps. It has a bacterial origin of replication and an ampicillin resistance gene for selection in *E. coli*. The *polh* sequences have been replaced by a multiple cloning site in the reverse orientation to pOET1, containing unique restriction sites for insertion of the foreign gene. The AcMNPV sequences flanking the gene in the transfer vectors MCS allow recombination with the viral DNA to insert the expression cassette into the *polh* locus. pOET2 is compatible with any baculovirus system that utilizes homologous recombination in insect cells

AcMNPV 623-1769
Pr_PH 1770-1870
MCS 1880-1962
AcMNPV 1995-2579
Col E1 2785-3404
Ampicillin 3559-4419



Multiple Cloning Site - 1880 to 1962

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                  |NotI       |XhoI
                  |EagI  |Asp718I                    |SmaI
                  |BseX3I    |KpnI       |EcoRI     |XmaI      |SalI      |HindIII
           |BglII       |SacII         |SacI      |PstI      |ApaI   |XbaI      |BamHI
1880       AGATCTGCGGCCGCGGTACCTCGAGAGCTCGAATTCTGCAGCCCGGGGGCCCGTCGACTCTAGAAGCTTGGATCC
           Q  I  C  G  R  G  T  S  R  A  R  I  L  Q  P  G  G  P  S  T  L  E  A  W  I
                 |PacI
1955       TTAATTAA
           L  N  Z
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