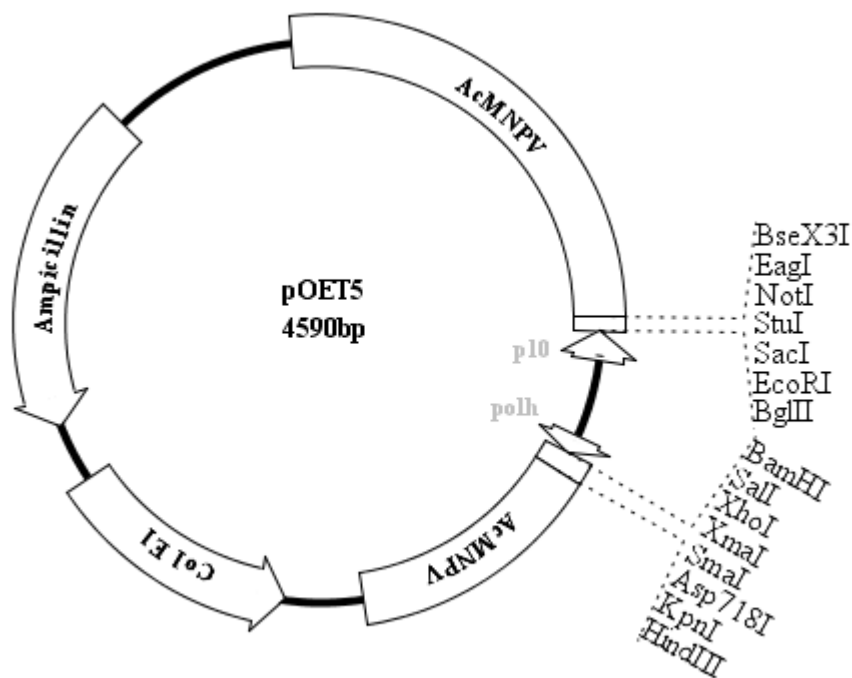


pOET5™ Transfer Vector

Product Information

Cat. No.	: 200106
Quantity	: 10 µg
Storage	: -20°C
Shipping	: Room Temperature

pOET5 is a dual promoter baculovirus transfer vector designed for high level expression of two foreign genes simultaneously under the powerful AcMNPV polyhedron (*polh*) promoter and the very late *p10* promoter. The promoters are in opposite orientations to minimize recombination. The vector is smaller than other available transfer vectors (4590bp) 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 The *polh* sequences have been replaced by two multiple cloning sites containing unique restriction sites for insertion of the foreign genes in the correct orientation. 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. pOET5 is compatible with any baculovirus system that utilizes homologous recombination in insect cells.



TTTGGGATCGTCGGTTTTGTACAATATGTTGCCTCTAGAATACTGCAGTGAG**GCGGCCGC**CAA**AGGCCT**GTT**GAGCTC**TAT
NotI StuI SacI

EcoRI BglII
GAATTCTAG**AGATCT**GTGATTGTAAATAAAATGTAATTTACAGTATAGTATTTTAATTAATATACAAATGATTTGATAAT

<P10 promoter
AATT**CCTA**TTTAACTATAATATATTGTGTTGGGTTGAATTAAAGGTCCCGGCATCCTCAAATGCATAATTTTCATAGTCCC
CCTTGTTGTAAGTGATGCGTATTTCTGAATCTTTGTAAAATAGCACACAAGACTCCAACGCGTTTGGCGTTTTATTTTCT

Polh promoter>
TGCTCGACTCTAGGATATCATGGAGATAATTAAAATGATAACCATCTCGCAAATAAA**TAAG**TATTTTACTGTTTTTCGTAA

BamHI SalI XhoI SmaI KpnI HindIII
CAGTTTTGTAATAAAAAAACCTATAAATATA**GGATCC**ACA**GTCGAC**TCT**CTCGAG**CTT**CCCGGG**AAA**GGTACCTTAAAGC**
TTATTAATAAAACACGATACATTGTTATTAGTACATTTATTAAGCGCTAGATTCTGTGCGTTGTTGATTTACAGACAATT