



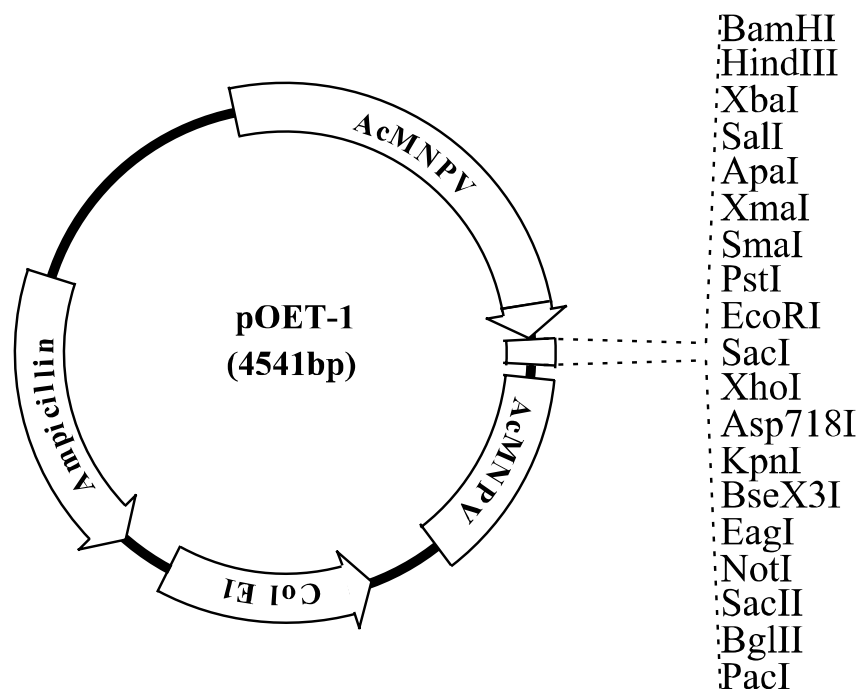
OXFORD
EXPRESSION
TECHNOLOGIES

p-OET1™ transfer vector

Product information

pOET-1 is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedrin (*polh*) promoter. The vector is smaller than other available transfer vectors (4541 bp) which greatly facilitate the cloning steps. It 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 The *polh* sequences have been replaced by a multiple cloning site containing 14 unique restriction sites for insertion of the foreign gene in the correct orientation. The *PacI* site at the end of the MCS provides translational stop codons in all three reading frames for expression of truncated proteins. 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. pOET-1 is compatible with any baculovirus system that utilizes homologous recombination in insect cells.

AcMNPV 623-1769
Pr_PH 1770-1870
MCS 1875-1953
AcMNPV 1989-2573
Col E1 2779-3398
Ampicillin 3553-4413



Multiple Cloning Site - 1875 to 1953

							SacII
							NotI
							EagI
			SmaI		Asp718I		
	HindIII	SalI	XmaI	EcoRI	XhoI	BseX3I	
	BamHI	XbaI	ApaI	PstI	SacI	KpnI	BglII
1875	GGATCCAAGCTTCTAGAGTCGACGGGCCCGGGCTGCAGAATTCGAGCTCTCGAGGTACCGCGGCCGAGATCT						
		PacI					
1950	TAAT						

the science of baculovirus expression™