

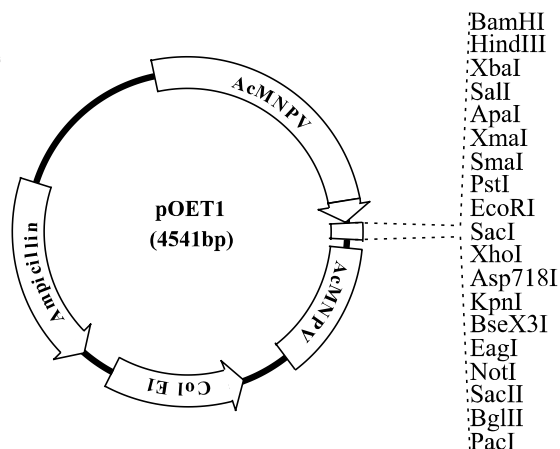


QUICK START GUIDE to pOET1

Catalogue Number	200101
Storage	Tightly capped at -20°C
Product Guarantee	1 year from the date of purchase, when properly stored and handled.

pOET1 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 (4541bp), which greatly facilitates 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 The *polh* sequences have been replaced by a multiple cloning site (MCS) containing 14 unique restriction enzyme sites for insertion of the foreign gene in the correct orientation.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 *polh* locus. pOET1 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

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

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.



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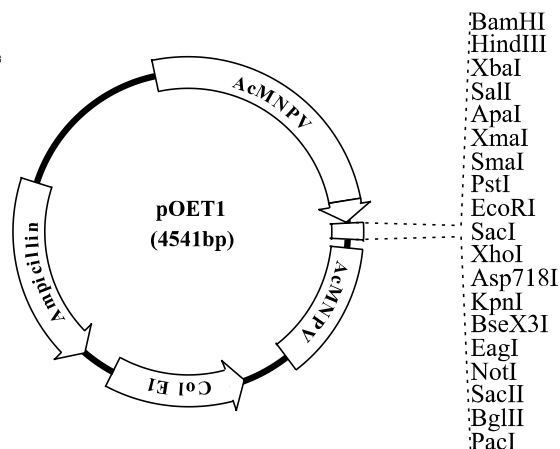


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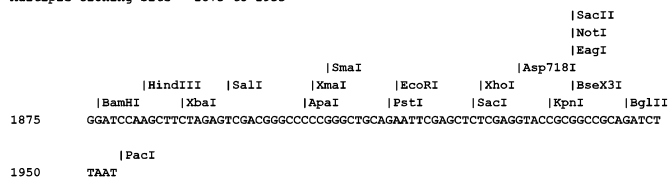
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