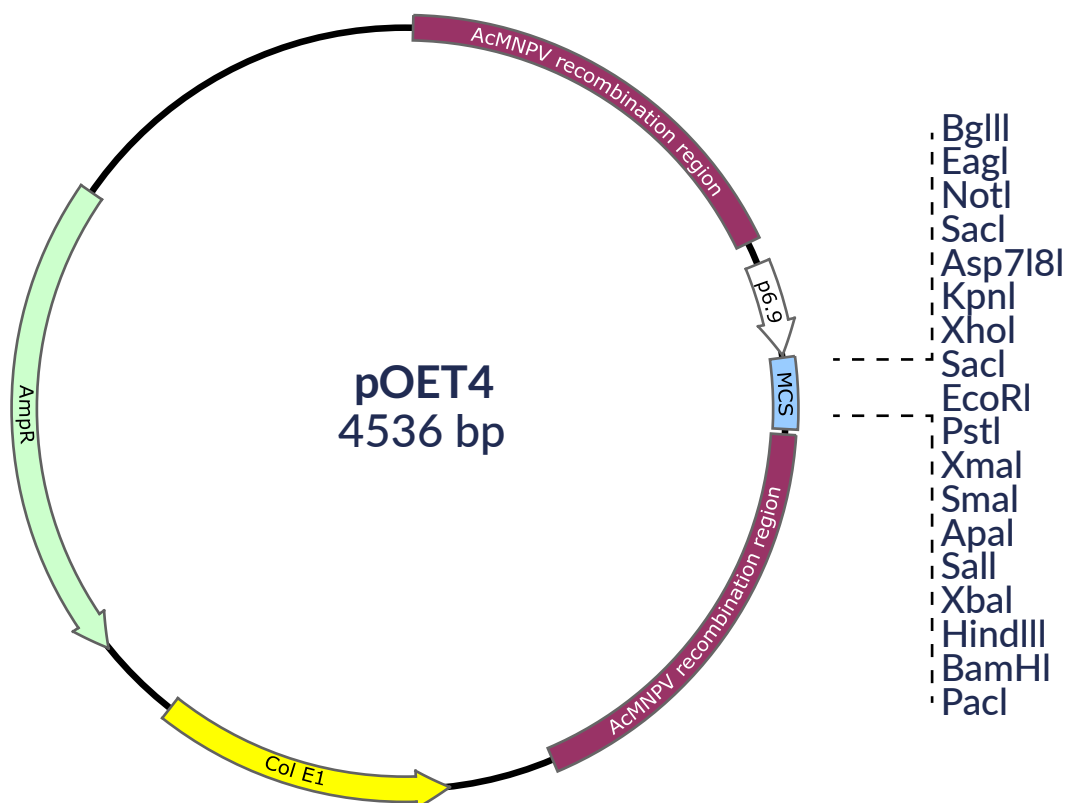




QUICK START GUIDE to pOET4

Catalogue Number	200105
Storage	Tightly capped at -20°C
Product Guarantee	1Year from the date of purchase, when properly stored and handled

pOET4 is a baculovirus transfer vector designed for high level expression of foreign genes under the late AcMNPV basic (p6.9) promoter. Using this promoter will provide earlier expression compared to the polyhedrin promoter. This has been shown to be beneficial when expressing proteins which require extensive post-translational modifications i.e. glycosylation. The vector is smaller than other available transfectants (4536bp) which greatly facilitate the cloning steps. It has a bacterial origin of replication (Col E1) and an ampicillin resistance gene (AmpR) for selection in *E. coli*. The coding strand of the MCS as transcribed from the polh promoter is shown below 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 polyhedrin locus. The polyhedrin sequences have been replaced by a multiple cloning site containing unique restriction sites for insertion of the foreign gene in the correct orientation. pOET4 is compatible with any baculovirus system that utilizes homologous recombination in insect cells.



Multiple Cloning Site

BglII EagI Asp718I XmaI
 NotI SacII KpnI XhoI SacI EcoRI PstI SmaI ApaI SalI XbaI HindIII BamHI PacI
 AGATCTGCGGCCGCGGTACCTCGAGAGCTCGAATTCTGCAGCCCGGGCCCGTCTGACTCTAGAAGCTTGGATCCTTAATTAA



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