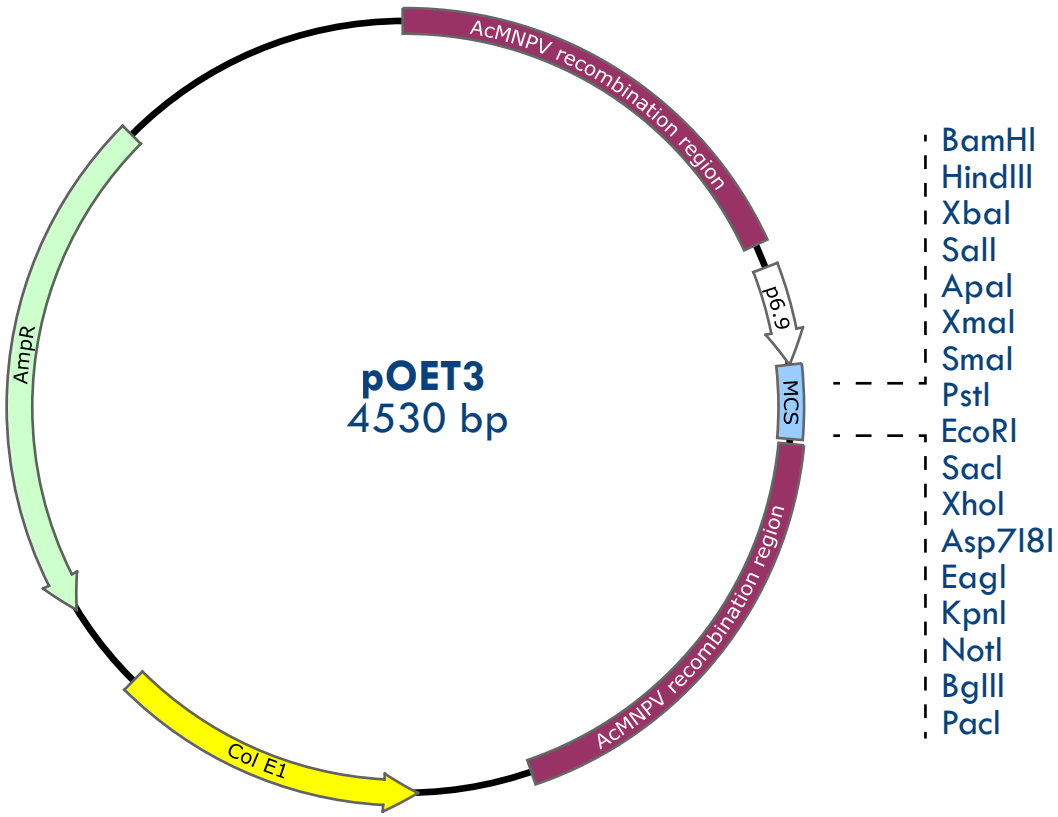
QUICK START GUIDE to pOET3

Catalogue Number	200104
Storage	Tightly capped at -20°C
Product Guarantee	1Year from the date of purchase, when properly stored and handled

pOET3 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 transfer vectors (4530bp) which greatly facilitates the cloning steps. It has a bacterial origin of replication (Col E1) and an ampicillin resistance gene (AmpR) for selection in E. coli. The polyhedrin sequences have been replaced by a multiple cloning site (MCS) containing unique restriction sites for insertion of the foreign gene in the correct orientation.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 polyhedrin locus. pOET3 is compatible with any baculovirus system that utilizes homologous recombination in insect cells.



Multiple Cloning Site

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

GGATCCAAGCTTCTAGAGTCGACGGGCCCCCGGGCTGCAGAATTCGAGCTCTCGAGGTACCGCGGCCGCAGATCTTAATTAA

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