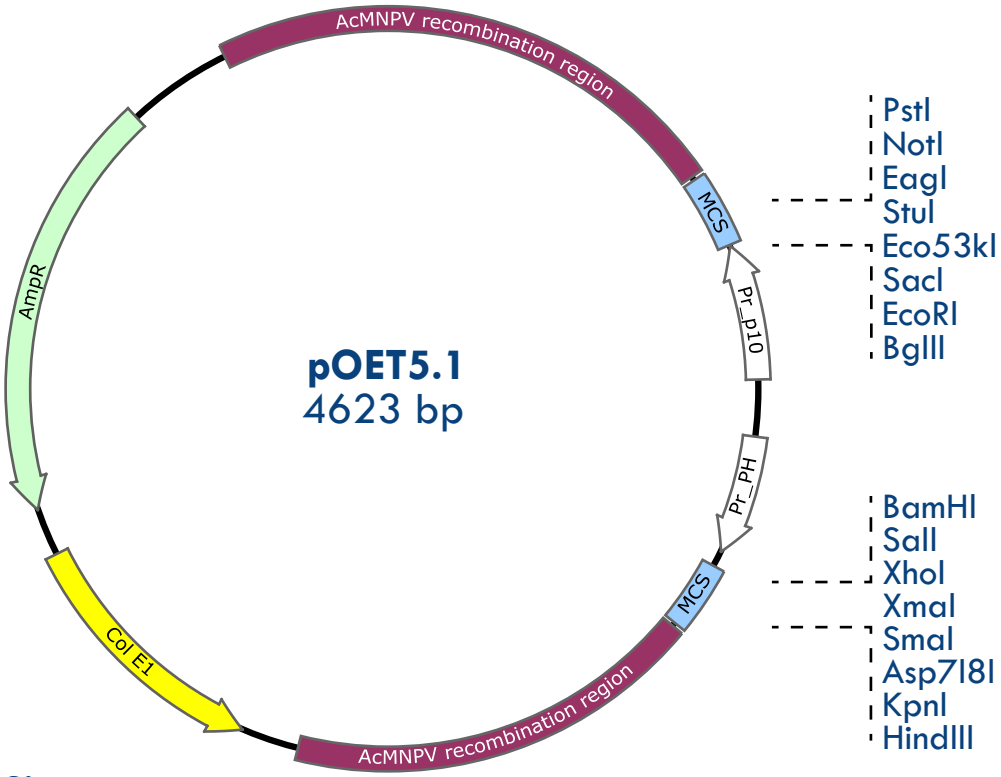
QUICK START GUIDE to pOET5.1

Catalogue Number	200106
Storage	Tightly capped at -20°C
Product Guarantee	1Year from the date of purchase, when properly stored and handled

pOET5.1 is a dual promoter baculovirus transfer vector designed for high level expression of two foreign genes simultaneously under the powerful AcMNPV polyhedrin (polh) promoter (Pr_PH) and the very late p10 promoter (Pr_p10). The promoters are in opposite orientations to minimize recombination. The vector is smaller than other available transfer vectors (4623bp), 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 The polh sequences have been replaced by two multiple cloning sites containing unique restriction sites for insertion of the foreign genes in the correct orientation.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 vector's MCS allow recombination with the viral DNA to insert the expression cassette into the polh locus. pOET5.1 is compatible with any baculovirus system that utilizes homologous recombination in insect cells.



Multiple Cloning Sites

PstI NotI EagI StuI Eco53kI SacI EcoRI BglII

CTGCAGTGAGCGGCCGCCAAAGGCCTGTTGAGCTCTATGAATTCTAGAGATCT

Asp718I HindIII BamHI SalI XhoI XmaI SmaI Kpn1

GGATCCACAGTCGACTCTCTCGAGCTTCCCGGGAAAGGTACCTTAAAGCTT

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