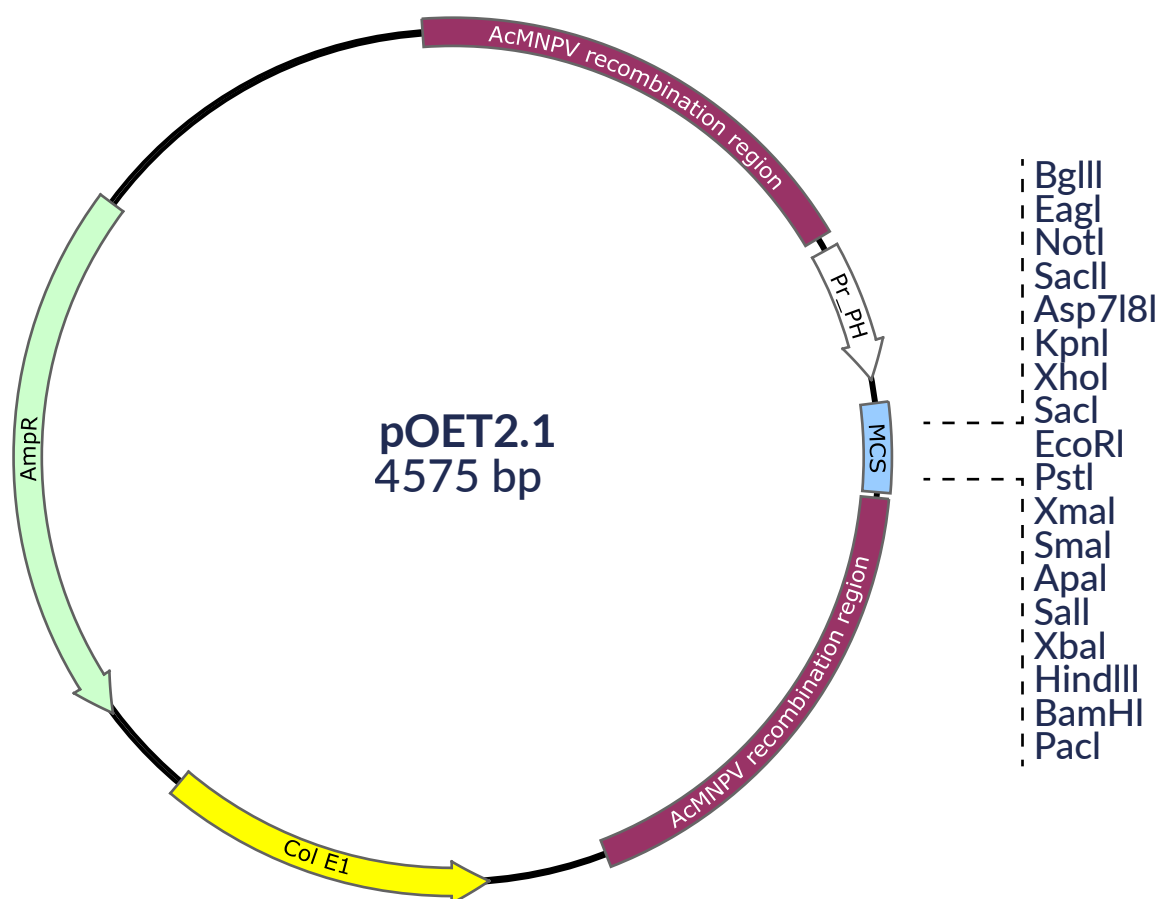


QUICK START GUIDE to pOET2.1

Catalogue Number	200103
Storage	Tightly capped at -20°C
Product Guarantee	1 Year from the date of purchase, when properly stored and handled

pOET2.1 is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedrin (polh) promoter (Pr_{PH}). The vector is smaller than other available transfer vectors (4575bp) which greatly facilitates the cloning steps. It has a bacterial origin of replication (ColE1) and an ampicillin resistance gene (AmpR) for selection in *E. coli*. The polh sequences have been replaced by a multiple cloning site (MCS) in the reverse orientation to pOET1, containing unique restriction sites for insertion of the foreign gene. 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 polh locus. pOET2.1 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 Apal Sall XbaI HindIII BamHI PacI
 AGATCTGCGGCCGCGGTACCTCGAGAGCTCGAATTCTGCAGCCCGGGCCCGTCGACTCTAGAAGCTTGGATCCTTAATTAA

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