# QUICK START GUIDE to pOET8 VE1

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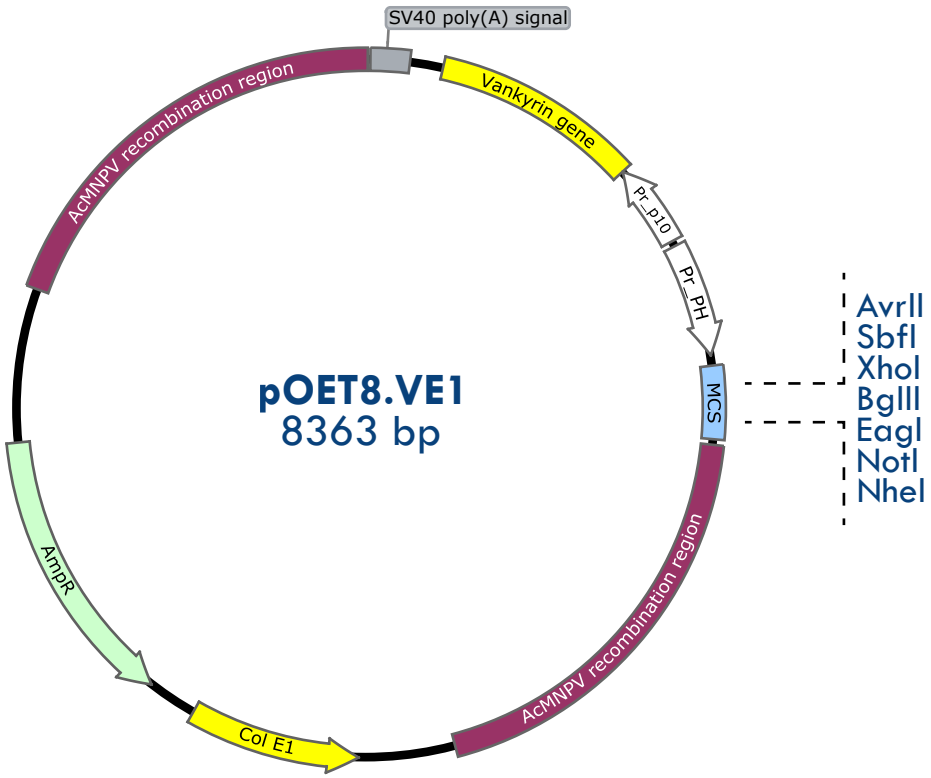
| **Catalogue Number** | 200121 |
| **Storage** | Tightly capped at -20°C |
| **Product Guarantee** | 1Year from the date of purchase, when properly stored and handled |

pOET8.VE1 is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedrin gene (polh) promoter (Pr_PH). Derived from the pUC57 vector, it contains a vankyrin expression cassette, P-vank-11, which encodes an anti-apoptotic protein to help delay cell death following virus infection. It has a bacterial origin of replication (Col E1) and an ampicillin resistance gene (AmpR) for selection in E. coli whilst the polh coding sequences have been replaced by a multiple cloning site (MCS) containing unique restriction enzyme sites for insertion of the foreign gene in the correct orientation (see circular map below). pOET8.VE1 is compatible with any baculovirus expression system that utilizes homologous recombination in insect cells.


Reference

[1]Fath-Goodin, A., Kroemer, J.A., Martin, S.B., Reeves, K., and Webb, B.A. (2006). Polydnavirus genes that enhance the Baculovirus Expression Vector System. Advances in Virus Research, vol. 68, pp. 75-90.


## Multiple Cloning Site

AvrII SbfI XhoI BglII EagI NotI NheI

GCCTAGGTACGGATCCCTGCAGGCCTCGAGTTCGAATCTAGAAGATCTGGTACCGAGCTCGAAGCGGCCGCTCTAGCTAGCTAGG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