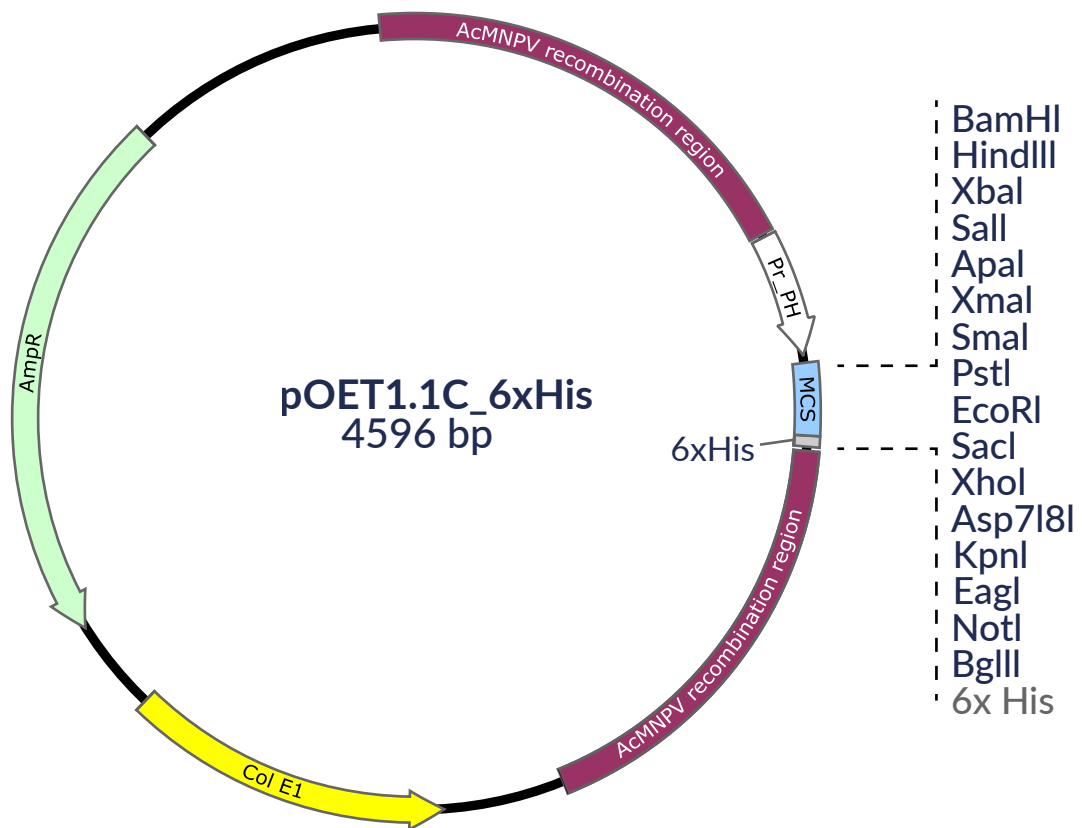




QUICK START GUIDE to pOET1.1C_6xHis

Catalogue Number	2001012
Storage	Tightly capped at -20°C
Product Guarantee	1 Year from the date of purchase, when properly stored and handled

pOET1.1C 6xHis is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedrin (polh) promoter (Pr_{PH}). The vector encodes an optional C-terminal 6xHis-Tag® fusion sequence that may be utilised. This greatly eases the purification of the recombinant protein since the 6xHis-containing fusion proteins bind with high affinity to Ni-NTA Agarose. pOET1.1C is smaller than other available transfer vectors (4596 bp) which greatly facilitates the cloning steps. It has a Col E1 origin of replication and an ampicillin resistance gene for selection in E. coli. The polh sequences have been replaced by a multiple cloning site (MCS) containing unique restriction enzyme sites for insertion of the foreign gene in the correct orientation. 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. pOET1.1C is compatible with any baculovirus system that utilises homologous recombination in insect cells.



Multiple Cloning Site

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

CATCATCACCACCATCAC
6xHis



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