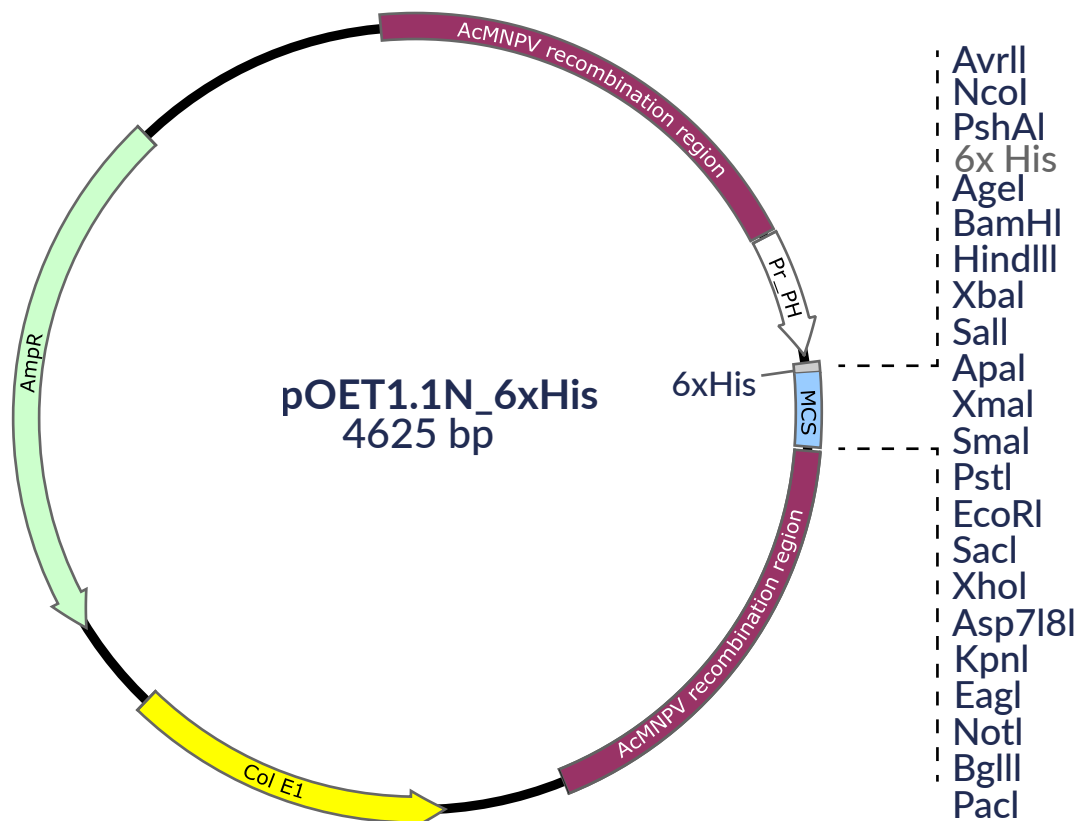


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QUICK START GUIDE to pOET1.1N_6xHis

Catalogue Number	2001011
Storage	Tightly capped at -20°C
Product Guarantee	1 Year from the date of purchase, when properly stored and handled

pOET1.1N 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 N-terminal 6xHis-Tag® fusion sequence that may be utilised if the insert allows read-through in the correct reading frame. This greatly eases the purification of the recombinant protein since the 6xHis-containing fusion proteins bind with high affinity to Ni-NTA Agarose. If required, the 6xHis-Tag® can be removed by incubating the fusion protein in the presence of the proteinase cleavage enzyme Thrombin. pOET1.1N is smaller than other available transfer vectors (4625 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 The polh sequences have been replaced by a multiple cloning site (MCS) containing unique restriction enzyme sites for insertion of the foreign gene in the correct orientation.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. pOET1.1N is compatible with any baculovirus system that utilises homologous recombination in insect cells.



Multiple Cloning Site



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