



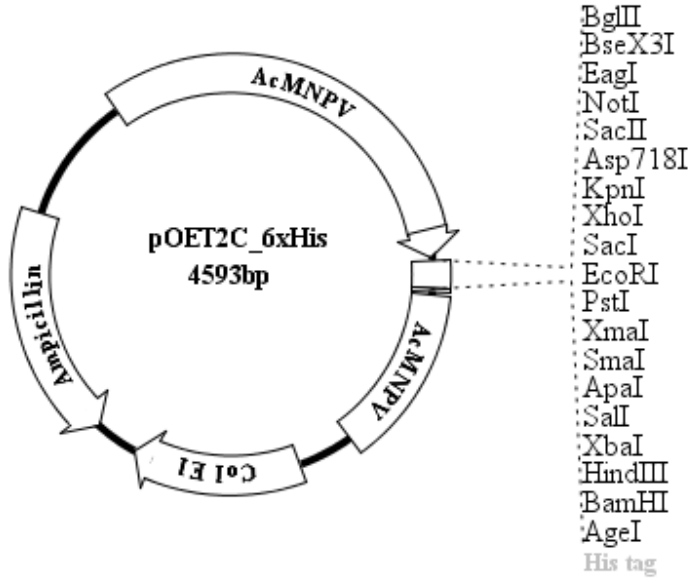
pOET2C_6xHis™ Transfer Vector

Product Information

Cat. No.	: 2001032
Quantity	: 10 µg
Storage	: -20°C
Shipping	: Room Temperature

pOET2C_6xHis is a baculovirus transfer vector designed for high level expression of foreign genes under the powerful AcMNPV polyhedron (*polh*) promoter. The vector encodes an optional C-terminal 6xHis-Tag® fusion sequence that may be utilized. This greatly eases the purification of the recombinant protein since the 6xHis-containing fusion proteins bind with high affinity to Ni-NTA Agarose. pOET2C_6xHis 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 The *polh* sequences have been replaced by a multiple cloning site (MCS) containing unique restriction sites for insertion of the foreign gene in the correct orientation, as shown on the circular map. 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 vectors MCS allow recombination with the viral DNA to insert the expression cassette into the *polh* locus. pOET2C_6xHis is compatible with any baculovirus system that utilizes homologous recombination in insect cells.

AcMNPV 336-1782
 PE_PH 1770-1870
 MCS 1879-1979
 His tag 1979-1997
 AcMNPV 2009-2625
 Col E1 2831-3450
 Ampicillin 3605-4465



Polyhedrin promoter region

→
 AACCATCTCGCAAATAAATAAGTATTTTACTGTTTTTCGTAACAGTTTTGTAATAAAAAACCTATAAATATAGGATC

	EagI		Asp718I	XhoI			SmaI									
BglIII	NotI	BseX3I	SacII	KpnI	SacI	EcoRI	PstI	XmaI	ApaI	SalI	XbaI	HindIII	BamHI			
AGATCTGCGGCCGCGGTACCTCGAGAGCTCGAATTCTGCAGCCCGGGGCCCGTTCGACTCTAGAAGCTTGGATCC																

	AgeI						PacI
					His Tag		
TCTGGTTCCGCGTGGATCAACCGGT <u>CACCATCATCACCACCATTGATTAATTAA</u> TAA							