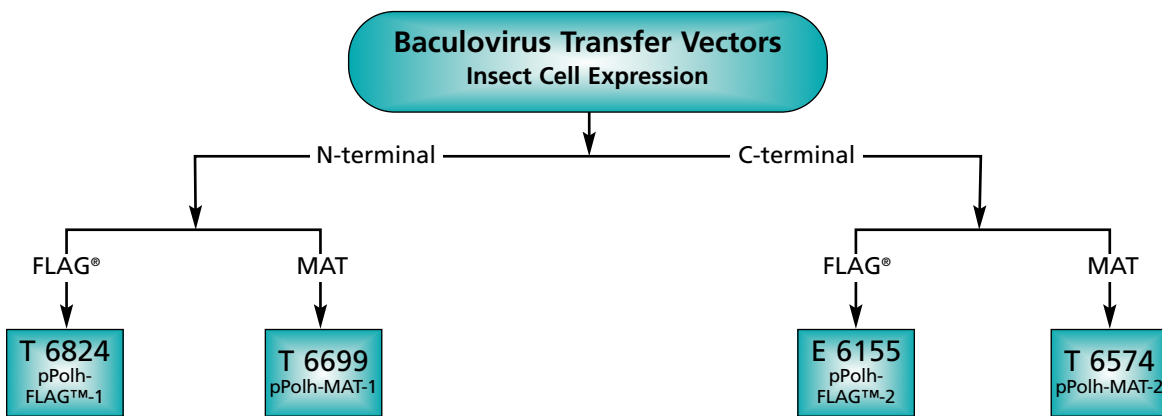


CLONING AND EXPRESSION

Baculovirus Transfer Vectors

Insect Cell Expression

pPolh transfer vectors are for the construction of recombinant baculovirus used in insect cell expression systems. The strong polyhedrin (polh) promoter results in high-level expression of target genes during the very late phase of infection. The AcNPV ORF 603 and ORF 1629 regions flank the polh promoter and MCS for homologous recombination with baculoviral DNA and generation of recombinant baculovirus. pPolh vectors also contain the pUC origin of replication and β -lactamase gene (amp^r) for propagation and selection in bacterial cells. The following baculovirus transfer vectors are offered as N- or C-terminal FLAG[®] (DYKDDDDK) or MAT[™] (HNHRHKH) tag versions for convenient downstream detection and purification of recombinant protein.



Baculovirus Transfer Vector Selection Table

Insect Cell Expression

Product	Product Name	FLAG [®]	MAT	Ek Site	polh	amp^r
T 6824	pPolh-FLAG [™] -1	N		√	√	√
E 6155	pPolh-FLAG [™] -2	C			√	√
T 6699	pPolh-MAT [™] -1		N		√	√
T 6574	pPolh-MAT [™] -2		C		√	√

N = N-terminal tag C = C-terminal tag MAT = Metal Affinity Tag amp^r = ampicillin resistance gene
Ek = Enterokinase Cleavage site