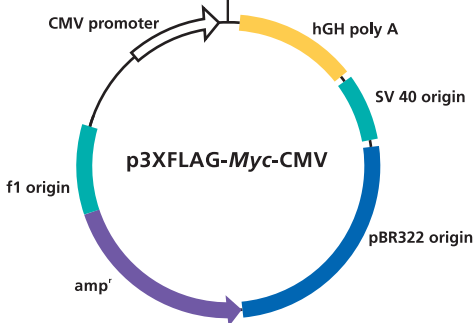


p3XFLAG-Myc-CMV-23 (4.8 kb)



p3XFLAG-Myc-CMV-24 (4.8 kb)



Multiple Cloning Site

(p3XFLAG-Myc-CMV-23 and p3XFLAG-Myc-CMV-24)

3XFLAG Peptide Sequence

Met	Asp	Tyr	Lys	Asp	His	Asp	Gly	Asp	Tyr	Lys	Asp	His	Asp	Ile
ATG	GAC	TAC	AAA	GAC	CAT	GAC	GGT	GAT	TAT	AAA	GAT	CAT	GAC	ATC
TAC	CTG	ATG	TTT	CTG	GTA	CTG	CCA	CTA	ATA	TTT	CTA	GTA	CTG	TAG

3XFLAG Peptide Sequence

Asp	Tyr	Lys	Asp	Asp	Asp	Lys								
GAC	TAC	AAA	GAC	GAT	GAC	GAC	AAG	CTT	GCG	GCC	GCG	AAT	TCA	TCG
CTG	ATC	TTT	CTG	CTA	CAG	CTG	TTC	GAA	CGC	CGG	CGC	TTA	AGT	AGC

BglIII			EcoRV			KpnI		SalI		XbaI		BamHI		Glu	Gln	Lys
ATA	GAT	CTG	ATA	TCG	GTA	CCA	GTC	GAC	TCT	AGA	GGA	TCC	GAA	CAA	AAA	
TAT	CTA	GAC	TAT	AGC	CAT	GGT	CAG	CTG	AGA	TCT	CCT	AGG	CTT	GTT	TTT	

C-Myc Sequence							STOP	Sma I**	
Leu	Ile	Ser	Glu	Glu	Asp	Leu			
CTC	ATC	TCA	GAA	GAG	GAT	CTG	TGA	CCC	GGG
GAG	TAG	AGT	CTT	CTC	CTA	GAC	ACT	GGG	CCC

*For p3XFLAG-Myc-CMV-23, the Met-preprotrypsin leader sequence (PPT LS) precedes the 3XFLAG coding sequence.

**Using the Sma I site with another restriction site in the MCS for directional cloning will result in loss of the c-myc tag.

Since the Sma I site is preceded by a stop codon it cannot be used alone for expression.