Cloning Strategy for expression of a gene of interest under a constitutively active promoter with an epitope tag

I.   N-terminal FLAG tag
Vector: pTCdc6N-Myc-FLAG-N#7: -----CMV promoter-Intron-ATG-FLAG-ggatcc (BamH1)-Cdc6N-Myc-Stop codon------ggtacc (Asp718)---SV40 polyA-------
Insert: --------ggatcc (BamH1) gene of interest in frame-Stop codon-ggtacc (Asp718)

II.   C-terminal FLAG tag
Vector: pTCdc6N-Myc-FLAG-C#1: -----CMV promoter-Intron-ggatcc (BamH1)-Cdc6N-Myc-STOP---ggtacc (Asp718)-FLAG-StopCodon GAATTC (R1)--- SV40 polyA---
Insert:-------ggatcc (BamH1) acc ATG gene of interest in frame-ggtacc (Asp718)

III.   N-terminal HA tag
Vector: pTCdc6N-Myc-HA-N#16: -----CMV promoter-Intron-ATG-HA-ggatcc (BamH1)-Cdc6N-Myc-Stop codon---ggtacc (Asp718)---SV40 polyA-------
Insert: --------ggatcc (BamH1) gene of interest in frame-Stop codon-ggtacc (Asp718)

IV.   C-terminal HA tag
Vector: pTCdc6N-Myc-HA-C#9: -----CMV promoter-Intron-ggatcc (BamH1)-Cdc6N-Myc-ggtacc (Asp718)-HA-StopCodon-GAATTC (R1)--- SV40 polyA---
Insert:-------ggatcc (BamH1) acc ATG gene of interest in frame-ggtacc (Asp718)

V.   N-terminal Myc tag
Vector: pTCdc6N-Myc-Myc-N#19: -----CMV promoter-Intron-ATG-Myc-ggatcc (BamH1)-Cdc6N-Myc-Stop codon----ggatcc (Asp718)---SV40 polyA-------
Insert: --------ggatcc (BamH1) gene of interest in frame-Stop codon-ggtacc (Asp718)

VI.   C-terminal Myc tag
Vector: pTCdc6N-Myc-Myc-C#20: -----CMV promoter-Intron-ggatcc (BamH1)-Cdc6N-Myc----ggtacc (Asp718)-Myc-StopCodon GAATTC (R1)--- SV40 polyA---
Insert:-------ggatcc (BamH1) acc ATG gene of interest in frame-ggtacc (Asp718)

Oligo design for subcloning of cDNA
N-terminal tag:
Forward primer: X GGA TCC (BamH1) XXX XXX of the gene of interest (18-21 nt)
Reverse Primer: X GGT ACC (Asp718) **TCA** (STOP) XXX XXX of the gene of interest (18-21 nt)

C-terminal tag:
Forward primer: X GGA TCC (BamH1) ACC **ATG** (START) XXX XXX of the gene of interest (18-21 nt)
Reverse Primer: X GGT ACC (Asp718) XXX XXX of the gene of interest (18-21 nt)