

pYES2/NT A Multiple Cloning Site

300 ┌──GAL1 promoter
└──┬──TATA box
 TTAACAGATA TATAAATGCA AAAACTGCAT AACCACCTTTA ACTAATACTT TCAACATTTT

360 └──┬──start of transcription
 CGGTTTGTAT TACTTCTTAT TCAAATGTAA TAAAAGTATC AACAAAAAAT TGTTAATATA

420 ┌──GAL1 forward priming site └──3' end of GAL1 promoter
 CCTCTATACT TTAACGTCAA GGAGAAAAAA CCCC GGATCG GACTACTAGC AGCTGTAATA

480 ┌──T7 promoter/priming site └──Hind III └──Polyhistidine region
 CGACTCACTA TAGGGAATAT TAAGCTTACC **ATG** GGG GGT TCT CAT CAT CAT CAT
Met Gly Gly Ser His His His His

534 CAT CAT GGT ATG GCT AGC ATG ACT GGT GGA CAG CAA ATG GGT CGG GAT
 His His Gly Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Arg Asp

582 ┌──Xpress™ epitope └──Asp718 I └──Kpn I └──BamHI └──BstXI* └──EcoR I
 CTG TAC GAC GAT GAC GAT AAG GTA CCT AGG ATC CAG TGT GGT GGA ATT
 Leu Tyr Asp Asp Asp Asp Lys Val Pro Arg Ile Gln Cys Gly Gly Ile

630 └──Enterokinase recognition site └──EK cleavage site └──BstXI* └──Not I └──Xho I └──Xba I
 CTG CAG ATA TCC AGC ACA GTG GCG GCC GCT CGA GTC TAG AGGGCCCTTC
 Leu Gln Ile Ser Ser Thr Val Ala Ala Ala Arg Val ***

679 └──V5 epitope
 GAA GGT AAG CCT ATC CCT AAC CCT CTC CTC GGT CTC GAT TCT ACG CGT
 Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr Arg

727 └──Polyhistidine region └──Pme I
 ACC GGT CAT CAT CAC CAT CAC CAT TGA GTTTAAACCC GCTGATCCTA
 Thr Gly His His His His His His ***

774 └──CYC1 reverse priming site
 GAGGGCCGCA TCATGTAATT AGTTATGTCA CGCTTACATT CACGCCCTCC CCCACATCC

*Note that there are two *BstX I* sites in the polylinker.