



**Comments for pGene/V5-His/lacZ:
7697 nucleotides**

GAL4 Upstream Activating Sequences (UAS)

- GAL4 binding site: bases 24-40
- GAL4 binding site: bases 43-59
- GAL4 binding site: bases 62-78
- GAL4 binding site: bases 94-110
- GAL4 binding site: bases 113-129
- GAL4 binding site: bases 132-148

Adenovirus E1b TATA sequence: bases 161-173

Synthetic intron IVS8: bases 329-446

pGene forward priming site: bases 357-375

LacZ ORF: bases 514-3570

V5 epitope: bases 3598-3639

Polyhistidine (6xHis) region: bases 3649-3666

BGH polyadenylation sequence: bases 3692-3919

pcDNA3.1/BGH reverse priming site: bases 3689-3706

f1 origin: bases 3965-4393

SV40 early promoter and origin: bases 4401-4741

EM7 promoter: bases 4783-4849

Zeocin™ resistance gene: bases 4850-5224

SV40 early polyadenylation sequence: bases 5354-5484

pUC origin: bases 5867-6537 (complementary strand)

bla promoter: bases 7543-7641 (complementary strand)

Ampicillin (*bla*) resistance gene: bases 6682-7542 (complementary strand)