



**Comments for pTrcHis/CAT:**  
5191 nucleotides

*trc* promoter: bases 191-221

*lac* operator: bases 228-248

*rrnB* antitermination sequences: bases 264-333

T7 gene 10 translational enhancer: bases 346-354

Ribosome binding site: bases 370-374

Mini-cistron: bases 383-409

Initiation ATG: bases 413-415

Polyhistidine (6xHis) region: 425-442

Xpress™ epitope: bases 482-505

Enterokinase (EK) recognition site: bases 491-505

CAT ORF: bases 587-1246

*rrnB* transcriptional termination sequence: bases 1424-1581

Ampicillin resistance ORF: bases 1861-2721

pBR322 origin: bases 2866-3539

*lac I<sup>q</sup>* ORF: bases 4068-5152