



Features of pTrcHis-TOPO®/lacZ
5311 nucleotides

- trc* promoter and 5' UTR: bases 190-382
- 35 region: bases 193-198
- 10 region: bases 216-221
- lac* operator (*lacO*): bases 228-248
- rrnB* antitermination sequence: bases 264-333
- T7 gene 10 translational enhancer: bases 346-354
- Ribosome binding site: 369-373
- pTrcHis Forward priming site: bases 370-390
- Minicistron: bases 383-409
- Reinitiation RBS: bases 398-403
- lacZ* fusion protein: bases 413-1480
- Initiation ATG: bases 413-415
- 6xHis tag: bases 425-442
- Xpress™ epitope: bases 482-505
- Xpress™ forward priming site: bases 445-463
- Enterokinase cleavage site: bases 491-505
- lacZ* gene fragment: bases 518-1438
- pTrcHis reverse priming site: bases 1495-1512
- rrnB* T₁ and T₂ transcription termination sequence: bases 1545-1702
- bla* promoter: bases 1923-1980
- Ampicillin resistance gene (*bla*): bases 1981-2841
- pBR322-derived origin: bases 2986-3659
- Lac Repressor (*lacI^q*): bases 4188-5272