



**Comments for pcDNA™ 3.1D/V5-His-TOPO®
5514 nucleotides**

CMV promoter: bases 232-819

T7 promoter/priming site: bases 863-882

TOPO® recognition site 1: bases 930-934

Overhang sequence (complementary strand): bases 935-938

TOPO® recognition site 2: bases 939-943

V5 epitope: bases 1011-1052

Polyhistidine (6xHis) tag: bases 1062-1079

BGH reverse priming site: bases 1102-1119

BGH polyadenylation signal: bases 1108-1332

SV40 early promoter and origin: bases 1833-2142

Neomycin resistance gene: bases 2217-3011

SV40 early polyadenylation signal: bases 3189-3319

pUC origin: bases 3700-4373 (complementary strand)

Ampicillin (*bla*) resistance gene: bases 4518-5378 (complementary strand)

bla promoter: bases 5379-5477 (complementary strand)