

Complete sequence of *FOXO3* donor vector

gacggatcgggagatctccgatcccctatggctgactctcagtacaatctgctctgatgccgatagttaagccagtat
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aacgccaatagggactttccattgacgtcaatgggtggactattacggtaactgcccacttggcagttacatcaagtg
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gctttccccgtcaagctctaaatcggggcatcccttaggggtccgattta**GTGCTTTACGGCACCTCGACCCC**

CCGGCACAACCTGTCACTGCatagtcgattcatgcgggtccagaatgagg
gaactggcaagagctcttgggtggatcatcaaccctgatggggggaagagc
ggaaaagccccccggcgggcggtgtctccatggacaatagcaacaagta
taccaagagccgtggcgcgagccaagaagaaggcagccctgcagacag
ccccgaatcagctgacgacagtccctccagctctccaagtggcctggc
agccccacgtcacgcagcagtgatgagctggatgcgtggacggacttccg
ttcacgcaccaattctaacgccagcacagtcagtgggcgccgtgtcgcca
tcatggcaagcacagagttggatgaagtccaggacgatgatgcgcct**CTC**
TCGCCCATGCTCTACAGC

Human Chromosome 6
(*FOXO3* Arm 1): 108663463-
108663880; regions used for
primer sequences are upper
case and underlined; *FOXO3*
sequences are green

GGCCATCGCCCTGATAGACGGtttttcgccctttgacgttggagtcacggt

ctttaatagtgagactctgttccaaactggaacaactcaaccctatctcggctctattcttttgattataagggattt

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gagaaagtatccatcatggctgatgcaatgcggcggtgcatacgttgatccggctacctgccattcgaccaccaagc

Neomycin resistance
cassette (*NPTII*) in red

gaaacatgcacgcagcgagcacgtactcgatggaagccggtctgtgatcaggatgatctggacgaagagcatcagg

ggctcgcgccagccgaactgttcgccaggctcaaggcgcgatgcccgacggcgaggatctcgtcgtgacctatggcgat

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Human Chromosome 6
(*FOXO3* Arm 2):
108663921-108664670;
regions used for primer
sequences are upper case
and underlined; *FOXO3*
sequences are green; the
guide RNA sequence is in
grey

aatcagaacttgctccaccaccagcaccaaaccagggcgctcttggtgg
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gcagccttgggtcagccaaacaccagcagcagtcctctgtcagccagtc
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