

Product datasheet for **RR214048**

Foxo4 (NM_001106943) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxo4 (NM_001106943) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxo4
Synonyms:	RGD1561201
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR214048 representing NM_001106943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCAGAGAATAAGAAGTCAGCCACAGAGGCTGCCGCGATCATAGACCTCGATCCCGACTTCGAAC
 CCCAGAGCCGTCCGCGGTCTGCACCTGGCCCCCTTCTCGACCAGAGCTCGCTACGGAGCCACCCGAACC
 GTCGAGGTGGAGCCAGTCTGGGACAGAAGGTACCCACGGAGGGACACTCCGAACCGACCTGTTGCC
 TCTCGGCTCCCAGAGCCGGCAGGGGGCCCCAGCCGAAATCCTGGGGGCTGTAACAGGTCTCGGAAGG
 GAGGCTCCCGCCGAATGCCTGGGGAAATCAGTCATATGCAGAACTCATCAGCCAGGCCATTGAAAGCGC
 CCCGGAGAAGCGGCTGACACTCGCCAGATATACGAATGGATGGTCCGCACGGTGCCTACTTCAAGGAC
 AAGGGTGACAGCAACAGCTCGGCAGGATGGAAGAACTCCATCCGTCAACCTGTCTTTGCACAGCAAGT
 TCATCAAGGTACATAACGAGGCCACCGGAAGAGCTCTTGGTGGATGCTGAACCCCGATGGCGGCAAGGG
 TGGCAAGGCACCCCGGCAGGGCTGCCTCCATGGATAGCAGCAGCAAGCTGCTCCGGGGCCGAGCAAA
 GGCCCAAGAAGAAGCCATCTGTCTGCCAGCTCCACCTGAAGGTGCCACTCCAAGGAGCCCTCTGGGCC
 ACTTTGCCAAGTGGTCGAGCAGTCTTGTCTCGAAATCGAGAAGAAGCTGATGTGTGGACCACTTTCCG
 TCCACGAAGCAGTTCAAATGCTAGCACTGTGAGCACTCGGCTGTCCCAATGAGGCCGGAGTCTGAGGTG
 CTAGCAGAAGAGGAAATGCCAGCCTCAGCCAGCAGCTATGCAGGGGGTGTCCCTCCCACCCTCAGTGAAG
 ATCTAGAGCTGCTGGATGGGCTCAATCTTGATCTCCCAATCCTTGTGTCCAGGAGCAATCTCTCCAG
 CTTCTCTTTGCAGCATCTGGGCTTGTGGCCCCTTACATAGCTATGGCGCCTCCCTCTTTGGCCCAATA
 GATGGGCTTTGTGAGCAGGAGAAGGGTCTTCTCGAGTCCCAGTCTCTAGAGGCTCTGCTCACCTCTG
 ATACACCACCTCTGCTGATGTTCTCATGACCCAGTATAGTCTATCCTGTCTCAGGCTCTGCTCACCTCTG
 TCTGTTACTGGGAGGAATGCCTTCTCTAGCAAGCTGGCCACAGGAGTCAAGCTGTGTCCTACGCCGCTA
 GAGGGTCTGGTCCCAGCAACCTGGTTCACCCCTTTCTGTGATGGCACCACCTCCAGTATGCCAGGTG
 CTCCCATCCTAAGTCTGGGAACCCCTGTGCTTGCATCTCCTACTGAAGATTTAGCCATGACAGAAT
 GCCTCAGGATCTGGATCTTGATATGTACATGGAGAACCCTGGAGTGTGACATGGATAACATCATCAGTGAC
 CTCATGGATGGTGGGACTGGACTTCACTTTGAGCCAGATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214048 representing NM_001106943
 Red=Cloning site Green=Tags(s)

MEPENKKSATEAAAIIDLDPDFEPQSRPRSCTWPLRPELATEPPEPSEVEPSLGQKVPTEGHSEPTLLP
 SRLPEPAGGPQPEILGAVTGPRKGGSRRAWGNQSYAELISQAIESAPEKRLTLAQIYEMVVRTVPYFKD
 KGDSNSSAGWKNIRHNL SLHSKFIKVHNEATGKSSWMLNPDGGKGGKAPRRRAASMDSSKLLRGRSK
 GPKKKPSVLPAPPEGATPRSPLGHFAKWSSPCPRNREEADVWTFRPRSSSNASTVSTRSPMRPESEV
 LAEEEMPASASSYAGGVPPTLSEDLLELDGLNLASPHLLSRSNLSSFSLQHPGLAGPLHSYGASLFGPI
 DGSLSAGEGCFSSQSLEALLTSDTPPPADVLMQVDPILSQAPLLLLGGMPSSSKLATGVSLCPTPL
 EGPGPSNLVPTLSVMAPPVMPGAPIPKVLGTPVLASPTEDFSDHRMPQDLDLDMYMNLECDMDNIISD
 LMDGEGLDFNFEPDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

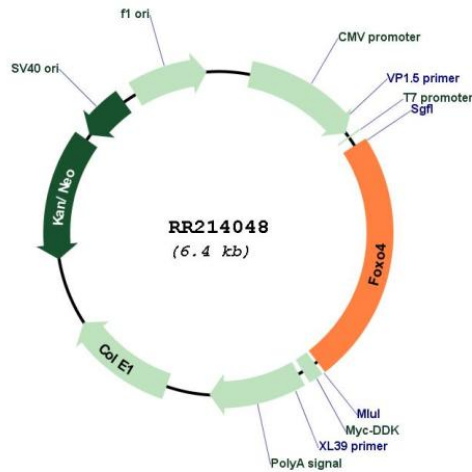
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001106943

ORF Size: 1515 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001106943.1](#), [NP_001100413.1](#)

RefSeq Size: 3159 bp

RefSeq ORF: 1518 bp

Locus ID: 302415

Cytogenetics: Xq22

MW: 53.9 kDa