

Product datasheet for **RC230105**

FOXO4 (NM_001170931) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXO4 (NM_001170931) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXO4
Synonyms:	AFX; AFX1; MLLT7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC230105 representing NM_001170931
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCGGGAATGAGAATTCAGCCACAGAGGCTGCCGCGATCATAGACCTAGATCCCGACTTCGAAC
 CCCAGAGCCGTCCCCGCTCCTGCACCTGGCCCCCTCCCGACCAGAGATCGCTAACCCAGCCGTCCGAGCC
 GCCCGAGGTGGAGCCAGATCTGGGGGAAAAGGCCATTGAAAGCGCCCCGGAGAAGCGACTGACACTTGCC
 CAGATCTACGAGTGGATGGTCCGTACTGTACCCTACTTCAAGGACAAGGGTGACAGCAACAGCTCAGCAG
 GATGGAAGAACTCGATCCGCCAACCTGTCCCTGCACAGCAAGTTCATCAAGGTTACACAACGAGGCCAC
 CGGCAAAAGCTCTTGGTGGATGCTGAACCTGAGGGAGGCAAGAGCGGCAAAAGCCCCCGCCGGGCC
 GCCTCCATGGATAGCAGCAGCAAGCTGCTCCGGGGCCGAGTAAAGCCCCAAGAAGAAACCATCTGTGC
 TGCCAGCTCCACCCGAAGGTGCCACTCCAACGAGCCCTGTGGCCACTTTGCCAAGTGGTACGGCAGCCC
 TTGCTCTCGAAACCGTGAAGAAGCCGATATGTGGACCACCTTCGTCCACGAAGCAGTTCAAATGCCAGC
 AGTGTCAGCACCCGGCTGTCCCCCTTGAGGCCAGAGTCTGAGGTGCTGGCGGAGGAAATACCAGCTTCAG
 TCAGCAGTTATGCAGGGGTGTCCTCCACCCCTCAATGAAGGTCTAGAGCTGTTAGATGGGCTCAATCT
 CACCTCTTCCCATTCCCTGCTATCTCGGAGTGGTCTCTCTGGTTCTCTTTCAGCATCCTGGGTTACC
 GGCCCCCTACACACCTACAGCAGCTCCCTTTTCAGCCAGCAGAGGGGCCCTGTGAGCAGGAGAAGGGT
 GCTTCTCCAGCTCCAGGCTCTGGAGGCCCTGCTCACCTGTATACGCCACCACCCCTGCTGACGTCTCT
 CATGACCCAGGTAGATCCATTCTGTCCAGGCTCCGACTTCTGTTGCTGGGGGGCTTCCTTCTCTCC
 CCACCTTTCTATGATAGCACCACTCCAGTCAAGTGGCAAGTGGCCCATCCCAAGGCTCTGGGGACTCC
 TGTGCTCACACCCCTACTGAAGCTGCAAGCCAAGACAGAATGCCTCAGGATCTAGATCTTGATATGTAT
 ATGGAGAACCTGGAGTGTGACATGGATAACATCATCAGTGACCTCATGGATGAGGGCGAGGGACTGGACT
 TCAACTTTGAGCCAGATCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230105 representing NM_001170931
 Red=Cloning site Green=Tags(s)

MDPGNENSATEAAAIIDLDPDFEPQSRPRRSTWPLRPEIANQPSEPPEVEPDLGEKAIESAPEKRLTLA
 QIYEWVVRTVPYFKDKGDSNNSAGWKNIRHNL SLHSKFIKVHNEATGKSSWMLNPEGGKSGKAPRRRA
 ASMDSSSKLLRGRSKAPKKKPSVLPAPPEGATPTSPVGHFAKWSGSPCSRNRREEADMWTTFRPRSSSNAS
 SVSTRLSPLRPESEVLAEEIPASVSSYAGGVPPTLNEGLELLDGLNLTSSHSLLSRSGLSGFSLQHPGVT
 GPLHTYSSSLFSPAEGPLSAGEGCFSSSQALEALLTSDTPPPPADVLMQVDPILSQAPTTTTLLGLPSS
 SKLATGVGLCPKPLEAPGPSSLVPTLSMIAPPPVMASAPIPKALGTPVLPPTPEAASQDRMPQDLDDMY
 MENLECDMDNIIISDLMEGEGLDNFEPDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8060_g07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001170931

ORF Size: 1350 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_001170931.2](#)

RefSeq ORF: 1353 bp

Locus ID: 4303

UniProt ID: [P98177](#)

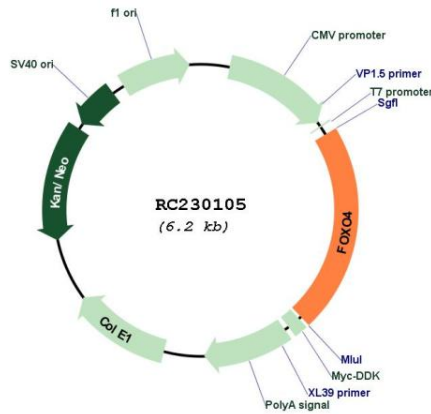
Cytogenetics: Xq13.1

Protein Families: Transcription Factors

MW: 48.4 kDa

Gene Summary: This gene encodes a member of the O class of winged helix/forkhead transcription factor family. Proteins encoded by this class are regulated by factors involved in growth and differentiation indicating they play a role in these processes. A translocation involving this gene on chromosome X and the homolog of the Drosophila trithorax gene, encoding a DNA binding protein, located on chromosome 11 is associated with leukemia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RC230105