

Product datasheet for **SC320321**

FOXO3 (NM_201559) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXO3 (NM_201559) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXO3
Synonyms:	AF6q21; FKHRL1; FKHRL1P2; FOXO2; FOXO3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_201559.1
GGGAGGAGGAGGAATGTGGAAGGTGGCGGCGCGAGCTGACAGGCGTTCTCGGGCGG
GCTGCGGCGACGCGCCGAGCGCTTCTCCTTCGCCGAGGTTGCGCGCCCCCTCCTCGCCGT
GCCCCGGGCCCGCGGGATCGTGCGTCTGCCCGCGTCCCTGAAGGGAAGGAAGCGA
GGCGGCGGCGGCGCGCCCGGGAGCCGGAGCCTTCGCGGCGTCCACGTCCCTCCCCCGCT
GCACCCCGCCCCGGCGGAGAGGAGAGCGGAGAGCCCGAGCCGCGGGCGGGCGGGCGGC
GAAGATGGCAGAGGCACCGGCTTCCCCGGCCCCGCTCTCTCCGCTCGAAGTGGAGCTGGA
CCCGGAGTTCGAGCCCCAGAGCCGTCGCGATCCTGTACGTGGCCCTGCAAAGGCCGGA
GCTCCAAGCGAGCCCTGCCAAGCCCTCGGGGAGACGGCCCGGACTCCATGATCCCCGA
GGAGGAGGACGATGAAGACGACGAGGACGGCGGGGACGGCCGGCTCGGCCATGGCGAT
CGGCGGCGGCGGGAGCGGCACGCTGGGCTCCGGGCTGCTCCTTGAGGACTCGGCCCC
GGTGTGGCACCCGGAGGCAAGACCCCGGTCTGGGCCAGCCACCGCGGCGGGCGGGCT
GAGCGGGGTACACAGGCGCTGCTGCAGCCTCAGCAACCCTGCCACCCGCGAGCCGGG
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TCTGTCCCAGATCTACGAGTGGATGGTGCCTTGCCTGCTCAAGGATAAGGGCGA
CAGCAACAGCTCTGCCGGCTGGAAGAACTCCATCCGGCACAACCTGTCACTGCATAGTCG
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TGGGGGAAGAGCGGAAAAGCCCCCGGGCGGGCTGTCTCCATGGACAATAGCAACAA
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CAGTGATGAGCTGGATGCGTGGACGGACTTCCGTTACGCACCAATTCTAACGCCAGCAC
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CAAGCCGTGCACGGTGAAGTCCACGGCTGACTGATATGGCAGGCACCATGAATCTGAA
TGATGGGCTGACTGAAAACCTCATGGACGACCTGCTGGATAACATCACGCTCCCGCCATC
CCAGCCATCGCCACTGGGGACTCATGCAGCGGAGCTTAGCTCCCGTATACCACAA



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GGGCTCGGGCCTGGGCTCCCAACCAGCTCCTTTAACAGCACGGTGTTCGGACCTTCATC
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CTCTTCCATGTCACACTATGGTAACCAGACACTCCAGGACCTGCTCACTTCGGACTCACT
TAGCCACAGCGATGTCATGATGACACAGTCGGACCCCTTGATGTCTCAGGCCAGCACCGC
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AACCCAGGGCGCTTTGGTGGCAGCCGTGCCTTGTGCAATTCTGTCAGCAACATGGGCTT
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TCCATAAACTAACAAATTACATAAACTAAAGGGGATTTTCTTTCTTTTGTGGTA
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TCAGTAGGGCCTGTGATTTCTGTGAGTGTCTCAGCTAATGTGAACAGTGTGGTCTGC
TGGTTAGAACTAGAATATTGATATTTTCAGGAAAGAAATCAGCTCAGCTCTCCACTCAT
TGCCAAATGTCACTAAAGGGTTTGTGTTTAAAGGAGAAAGAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_201559
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:	<ol style="list-style-type: none">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_201559.1 , NP_963853.1
RefSeq Size:	3311 bp
RefSeq ORF:	2022 bp
Locus ID:	2309
UniProt ID:	O43524
Cytogenetics:	6q21
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Chemokine signaling pathway, Endometrial cancer, Neurotrophin signaling pathway, Non-small cell lung cancer
Gene Summary:	<p>This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' end compared to variant 1. Both variants encode the same protein.</p>