

Product datasheet for **SC317869**

FOXN4 (NM_213596) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXN4 (NM_213596) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317869 representing NM_213596.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATAGAAAGTGACACCTCATCCATAATGT CAGGAATTATT CGAAACTCAGGGCAAATCACCACCC
TCTCCACAGAAATACAGGCTTCTAGCCACCACCGCATGATGACCTTCCCGGGACCTGCAGTCGCTG
TCGTGGCTCACGGCGGTGGATGTGCTCGCTGCAGCAGATGGCAAGTGGCCGCGTGGACCTGGGTGGC
CCCTGCGTGCCACATCCACACCCAGGTGCCTTGGCTGGGGTGGCCGACCTGCATGTGGGAGCCACTCCA
AGTCCCCTTCTCCATGGCCCAGCAGGCATGGCCCCCGAGGCATGCCAGGTCTGGCCCCATAACTGGC
CACAGAGACAGCATGAGCCAGTTCCTCGTGGGGGCCAGCCCTCATCTGGCTGCAGGACCCGCCGCAT
CTGTACTCACCTGCCACCAACCACAGTTCCTCGTCCCCCGGGTGCCAGCAGTGCCTCTGTGGGC
CTCTATGGCCCCCATTGGGGTGGCCCCCTACCCAGCCACAGTGGCTGTGCATTCATCTCAA
GAACTGCACCCCAAACTACCCCAAGCCATCTACTCGTACAGCTGTCTGATCGCCATGGCCCTGAAG
AACAGCAAGACAGGCAGCCTGCCTGTGAGCGAGATCTACAGTTCATGAAGGAGCACTTCCCTACTTC
AAGACGGCCCCGACGGGTGGAAGAACTCGGTGCGGCACAACCTGTCTGAACAAGTGCTCGAGAAG
GTGGAGAACAAGATGAGCGGCTCCTCCCGAAGGGCTGCCTGTGGGCTCTGAACCTGGCCCCGATCGAC
AAGATGGAGGAGGAGATGCAAGTGAAGAGGAAGGACCTGGCTGCCATCCACCGGAGTATGGCCAAC
CCTGAGGAGTTGGACAAGCTGATCTCCGACCGCCTGAAAGTGGCGGCCCGGCAAACCGGGGGAA
CCAGAGGCCCCCGTGTGACTCACGCCACCACAGTGGCCGTGGCGCATGGCTGCCTGGCTGTCTCCAG
CTCCCACCCAGCCTGATGACCCTGTCCCTGCAGTCAGTCCCCTGCACCACCAGTCCAGCCCCAG
GCACATCTTGTCCAGACTCTCCAGCACCAGCCAGACCCCGCCACTGCACGCCCTGCCGGACCTCAGC
CCCAGCCGCTCCCCACCCCGCATGGGAAGGGCTCCTGTAGACTTCATCAACATCAGCACCCGACATG
AACACTGAGGTGGATGCCCTCGACCCGACATCATGGACTTCGCTCTGCAGGGGAACCTGTGGGAGGAG
ATGAAGGATGAGGGATTAGCTTGGACACACTGGCGCCTTTGCAGACTCCCCGCTTGGCTGTGACCTG
GGGGCCTCAGGCCTAACCCTGCCTCGGGTGGCAGCGACCACTCCTCCAGACTGCAGGTGACGGGT
CTCTACACAGCTACTCCACTCCGACAGTGTGGCTGCATCGGGCACCAGCTCCTCCTCCAGTACCTG
GGTGCACAGGGGAACAAGCCTATAGCCCTGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_213596
Insert Size: 1554 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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_213596.2
RefSeq Size:	3356 bp
RefSeq ORF:	1554 bp
Locus ID:	121643
UniProt ID:	Q96NZ1
Cytogenetics:	12q24.11
Protein Families:	Transcription Factors
MW:	55.2 kDa
Gene Summary:	Members of the winged-helix/forkhead family of transcription factors, such as FOXN4, are characterized by a 110-amino acid DNA-binding domain that can fold into a variant of the helix-turn-helix motif consisting of 3 alpha helices flanked by 2 large loops or wings. These transcription factors are involved in a variety of biologic processes as key regulators in development and metabolism (Li et al., 2004 [PubMed 15363391]).[supplied by OMIM, Mar 2008]