

## Product datasheet for **SC321790**

### FOX11 (NM\_144769) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FOX11 (NM_144769) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOX11
Synonyms:	FKH10; FKHL10; FREAC-6; FREAC6; HFH-3; HFH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_144769.2  
 GGGTGCAGGTGCCAGGCAGGTGGCTCCGGCCAGCCCAGCCCCAGCATGAGCTCCTTCGAC  
 CTGCCGGCGCCCTCCCCACCTCGCTGCAGCCCCAGTTCCCCAGCATCGGCCAGGAGCCC  
 CCCGAGATGAACCTCTACTATGAGAAGTCTTCCACCCACAGGGCGTGCCAGCCCTCAG  
 CGGCCCTCCTTCGAGGGGGGCGGCGAGTATGGGGCCACCCCAACCCCTACCTCTGGTTC  
 AACGGGGCCACCATGACCCCGCCACCCTACCTGCCCGGCCCAACGCCAGCCCTTCTG  
 CCCCAGGCCTATGGAGTGCAGAGGCCGCTGCTGCCAGCGTGTGGGGGTTGGGGGGAGC  
 GACCTGGGCTGGCTGCCATCCCCTCGCAGGAGGAGCTGATGAAGCTGGTGCGGCCACCC  
 TATTCTACTCGGCTCTCATCGCCATGGCCATCCACGGGGCACCCGACAAGCGCCTCACT  
 CTCAGCCAGATCTACCAGTACGTGGCCGACAACCTCCCCTTCTACAACAAGAGCAAGGCC  
 GGCTGGCAGAAGTCCATCCGCCACAACCTGTGCTCAACGACTGCTTCAAGAAGGTGCC  
 CGCGACGAGGACGACCCGGCCTATGTGAGCGGGGGAGCCCCACGAGCCACCCCTTGGTC  
 ACACCAGGACTGAGCCCTGAGCCAGTGACAAGACGGGGCAGAAGTCACTGACCTTCAAC  
 TCCTTCTCCCGCTCACCAACCTCAGCAACCACAGCGGTGGGGGTGACTGGGCGAACCC  
 ATGCCCAACAATGCTCAGCTACGGAGGATCTGTGCTCAGCCAATTCAGCCCTCACTTC  
 TACAACAGTGTCAACACCAAGTGGTGTCCCTACCCCAGGGAGGGCACCGAGGTCTAGGTA  
 CAGAACAGCTCCTGAGCCAGGTGGACATGCCAGAGAGAAAAGCAGTAGAGGTCTCCATG  
 CCAGCCCCACGGTGGTCCATGACTGCGGAACTGCCAGACATAAGCAGGAGCCTCCGAGG  
 AATCCACCCTCTTTCTAGAACACTGGTTAAGGCTTCTGTTATCACACATAGGCCACAC  
 ACAGACTACCAACTTTGCAATAGAAAATACTGGTGCTGCAGAGCAGCACTAACAGTGGC  
 AGGTGCTGACTAGGCTCTGACTGGCCACACTTACTATTGACAGTCACCCCGTAAGGTT  
 CACAAACCACCCATTGAACAGATGAGGAAGTGGGCTCAAGGAGGTTAAGTAACATTTT  
 CAGGGTTATATAAACTAGTAAATGGCAGAGCTAAGAGTCAAATCCAGGTCTATGTGATCC  
 TCAGAGATTGGAGCCAGGATGGAGAATTGGTTGAGTAGCCAAGGAAGGTCAAGTGTGAAA  
 AGCTTGCTATGGCAAATATAGCGAAATCTCTCCACTGCCTTCTGTCCACCAGCATTAGT  
 GCCAGCCTAGGCACAAGTGTGCTGGTCCAAGTCTTATTCTGCTTGCCCCAACTTACCT  
 GCAGACTCCTTTTGTACCCTCAAGGAAGGAAGTCAACAGTGGCCTTAGTGCAGGAA  
 ACTCAGCCCTGGTGGCCCTGCAGAACAAATGCATCTGACATGTGCGATGCATCCCCATGGA  
 GAGACAGCATTGCTCCCCAGCCCTCCAGAAACCTTGAAGCAGATCCAGGGATCAGTGAGAG  
 GAGTGGTGTGTACCCCTAAATCCTCCCACCCAGCACTGCCATCTGTAATAATCTTGTA  
 AGCCAGTTTCTGTGTGATGTCATGGACCAGTGAAGTGGAGATGGCTGAATCTTCCAA  
 GAGAAACAAGGTTGGATAAGCGCTTCTTTTTTTAGCCAGGAGAGGTGGATGTTTGTG  
 TGAGAAAACAATGGCCTCAAGGGAGGGGCTTGGGCCACCCCTCAGGGGGTCTCTGTG  
 TGATCTCTGGGATTTCTCTTGTTTTTGTGAGTACCTGGGAAGTGTGTTTGTGTTTCTT  
 ATTTTCTTTTTAATTAATAAAAAACAACAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_144769

**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:**

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\\_144769.2](#), [NP\\_658982.1](#)

**RefSeq Size:** 2011 bp

**RefSeq ORF:** 852 bp

**Locus ID:** 2299

**UniProt ID:** [Q12951](#)

**Cytogenetics:** 5q35.1

**Protein Families:** Transcription Factors

**Gene Summary:** This gene belongs to the forkhead family of transcription factors, which is characterized by a distinct forkhead domain. This gene may play an important role in the development of the cochlea and vestibulum, as well as in embryogenesis. The encoded protein has been found to be required for the transcription of four subunits of a proton pump found in the inner ear, the kidney, and the epididymis. Mutations in this gene have been associated with deafness, autosomal recessive 4. [provided by RefSeq, Jan 2017]

Transcript Variant: This variant (2) lacks an alternate in-frame coding segment compared to variant 1, resulting in an isoform (b) that lacks an internal portion compared to isoform a.