

Product datasheet for SC115475

FOXI1 (NM_012188) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXI1 (NM_012188) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXI1
Synonyms:	FKH10; FKHL10; FREAC-6; FREAC6; HFH-3; HFH3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115475 sequence for NM_012188 edited (data generated by NextGen Sequencing)

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ATGAGCTCCTTCGACCTGCCGGCGCCCTCCCCACCTCGCTGCAGCCCCAGTTCCCCAGC
ATCGGCCAGGAGCCCCCGAGATGAACCTCTACTATGAGAACTTCTCCACCCACAGGGC
GTGCCAGCCCTCAGCGGCCCTCCTTCGAGGGGGCGGGCAGTATGGGGCCACCCCAAC
CCCTACCTCTGGTTCAACGGGCCACCATGACCCCGCCACCTACCTGCCCGGCCCAAC
GCCAGCCCTTCTGCCAGGCCATGGAGTGCAGAGACCGCTGCTGCCAGCGTGTGCG
GGGCTTGGGGGAGCGACCTGGGCTGGCTGCCATCCCCTCGCAGGAGGAGCTGATGAAG
CTGGTGCGGCCACCCTATTCTACTCGGCTCTCATCGCCATGGCCATCCACGGGGCACCC
GACAAGCGCCTCACTCTCAGCCAGATCTACCAGTACGTGGCCGACAACCTCCCCTTCTAC
AAACAAGAGCAAGCCGGCTGGCAGAACTCCATCCGCCACAACCTGTCGCTCAACGACTGC
TTCAAGAAGGTGCCCGGACGAGGACGACCCGGGCAAAGGGAATTACTGGACCTGGAC
CCCAACTGTGAGAAAATGTTTCGACAATGGAAATTTCCGCAGGAAAAGGAAGAGAAAATCA
GATGTTTCTCTAGCACAGCCTCCTTGGCCTTAGAGAAGACAGAGAGCAGTCTCCCGGTG
GACAGCCCAAGACCACGGAGCCTCAGGACATCTTGGATGGAGCCTCACCAGGGGGCACC
ACCAGTCCCCAGAGAAGCGGCCCTCCCCTCCCCATCAGGCGCCCTTGCCTTAACAGC
TTCCTTCTCTATGACAGCCTATGTGAGCGGGGGGAGCCCCACGAGCCACCCTTGGTC
ACACCAGGACTGAGCCCTGAGCCAGTGACAAGACGGGGCAGAAGTCACTGACCTTCAAC
TCCTTCTCCCGCTCACCAACCTCAGCAACCACAGCGGTGGGGGTGACTGGGCGAACCCC
ATGCCCCAACATGCTCAGCTACGGAGGATCTGTGCTCAGCCAATTCAGCCCTCACTTC
TACAACAGTGTCAACACCAGTGGTGTCTTACCCAGGGAGGGCACCGAGGTCTAG

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Clone variation with respect to NM_012188.4
279 g=>a;1044 t=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012188 unedited
 CACAATTTGTAATACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGCCGGGGTGC
 AGGTGCCAGGCAGGTGGCTCCGGCCAGCCAGCCCAGCATGAGCTCCTTCGACCTGCCG
 GCGCCCTCCCCACCTCGCTGCAGCCCCAGTCCCCAGCATCGGCCAGGAGCCCCCGAG
 ATGAACCTCTACTATGAGAACTTCTCCACCCACAGGGCGTGCCAGCCCTCAGCGGCC
 TCCTTCGAGGGGGCGGGAGTATGGGGCCACCCCAACCCTACCTCTGGTTCAACGGG
 CCCACCATGACCCCGCCACCCTACCTGCCCGGCCCAACGCCAGCCCTTCCTGCCCCAG
 GCCTATGGAGTGCAGAGACCGCTGCTGCCAGCGTGTGGGGCTTGGGGGAGCGACCTG
 GGCTGGCTGCCATCCCCCTCGCAGGAGGAGCTGATGAAGCTGGTGCGGCCACCCTATTCC
 TACTCGGCTCTCATCGCCATGGCCATCCACGGGGCACCCGACAAGCGCTCACTCTCAGC
 CAGATCTACCAGTACGTGGCCGACAACCTCCCCTTCTACAACAAGAGCAAGGCCGGCTGG
 CAGAACTCCATCCGCCACAACCTGTCGCTCAACGACTGCTTCAAGAAGGTGCCCCGCGAC
 GAGGACGACCCGGGCAAAGGGAATTACTGGACCCTGGNACCCAACTGTGAGAACATGGGT
 CGACATGTGAATTTCCGAGGAAAGGGAAGAGAAATCAGATGTTTCTCTAGCACAGCCT
 TCTTGGCCTTAGAGAGACAGAGAGCAGTCTCCCGGTGGACAGGCCNAGACCACGAAGCC
 TCAGACATCTTGGATGGAGCCTACCAGGGGGCACCANAGGCTCCAGAGAAGCCGGC
 CCCCCCTCCCCATCAGGCGCCCTTGGCCTAACAGACTTCCTTCTCTATGACAGGCT
 TGTNGAGCGGGGAGGCCACGGANCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012188 unedited
 AGNANGAGCACTGGGNAGGTCACAGGGATGCCACCCGGTTCTGTTCCAGGAAACAGCT
 ATGACCCGCGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGG
 GTTGTGTTTTTTAATTAATAAAGAAAAAAGAAAAACAACAACACTTCCAGGTAATCA
 CAAAAACAAGGAGAAATCCCAAGAGATCACACAGAGACCCCTGTGAGGGTGGGCCAAG
 GCCCTCCCTTGAGGCCATTGTTTTCTCAACAAACATCCACCTCTCCTGGGCTAAAAAA
 AAAGGAAGCGCTTATCCAACCTGTTTCTCTTGGAAAGATTAGCCATCTCCAGCTCACTG
 GTCCATGACATGCACACAGGAACTGGGCTTTACAAGATTTTACAGATGGGCAGTGTGG
 GGTGGGAGGATTTAGGGGTACACACCACTCCTCTCACTGATCCCTGGATCTGCTCAAGGT
 TTCTGGAGGGCTGGGGAGCAATGCTGTCTCCATGGGGATGCATCGCACATGTCAGATG
 CATTGTTCTGCAGGGCCACCAGGCTGAGTTTCTGACTAAGGCCACTGGTGACTTCTCT
 TCCTTGAGTGGTAGCAAAAGGAGTGTCTGCAGGTAAGTTGGGGCAAGCAGAATAAGGACT
 TGGACCAGGACAAGTTGTCCTAGGCTGGCACTAAATGCTGGTGGACAGAAGGCAGTGGGA
 AAGATTTCCCTATATTTGCCATAACAAGCTTTTACACTGGACCTTCTTGGCTACTCAA
 CCAATTCTCCATCCTGGCCTTCCATCCTCTGAGGATCACATAAACCTGGATTGAACTCT
 TAACTCTGCCCTTACTAGTTTAAATAACCCTGGAAATG

Restriction Sites:

NotI-NotI

ACCN:

NM_012188

Insert Size:

2500 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](#)

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_012188.3](#), [NP_036320.2](#)

RefSeq Size: 2294 bp

RefSeq ORF: 1137 bp

Locus ID: 2299

UniProt ID: [Q12951](#)

Cytogenetics: 5q35.1

Domains: FH

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 (1) represents the longer transcript and encodes the longer isoform (a).