

Product datasheet for **SC303485**

FOXD1 (NM_004472) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD1 (NM_004472) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXD1
Synonyms:	FKHL8; FREAC-4; FREAC4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004472 edited
CACAGCTATGACCCTGAGCACTGAGATGTCCGATGCCTCTGGCCTCGCCGAGGAAACAGA
CATCGACGTGGTGGGGGAGGGCGAGGACGAAGAAGACGAGGAAGAGGAGGACGACGACGA
GGGCGCGGTGGCGGGCCCCGGCTGGCTGTCCCGCGCAGCGGCGGGCGGGCGGGCGCTC
GTACGCCGGGAGGACGAGCTGGAGGATCTGGAGGAGGAGGAGGACGACGATGACATCCT
GCTGGCCCCGCTGCTGGGGCTCCCCGGCGCCCCGGCCCCGGCCCCGGCGGGGGC
AGGAGCCGGTGGGGGCGGCGGGCGGGCGGGCGGGCGGGCGGGGAGCGCGGTAGCGG
CGCAAGAACCCTGGTGAAGCCGCCCTACTCGTATATCGCGCTCATCACTATGGCCAT
CCTGCAGAGCCCCAAGAAGCGGCTGACGCTGAGCGAGATCTGTAGTTTCATCAGCGGCCG
CTTCCCCTACTACCGGAGAAAGTCCCCGCTGGCAGAACAGCATCCGCCACAACCTCTC
GCTCAACGACTGCTTCGTAAGATCCCCCGGAGCCCGCAACCCGGCAAGGGCAACTA
CTGGACGCTGGACCCGGAGTCCGCCGACATGTTGACAACGGCAGCTTCTGCGCCGGAG
GAAGCGCTTCAAGCGGCAGCCGCTGCTCCACCCAACGCCGCGGGCCCGAGTCTCTGCT
GCTGCGCGGCGGGAGCCGAGGGGGCGGGGACCCGGCAGCCGCCCGCGCTCTT
CCCGCCCGCCCCGCCGCCCGCATGCCTACGGCTACGGCCCTACGGCTGCGGCTA
CGGCTGCAGCTGCCGCTTACGCGCCGCTCGGCCCTTTCGCGCCGAGCGGCCGC
CGCCGCCCGCGCCCTTCCACCCGCACTCGCCCCGCGCCCCCGCCACCCGACGGCGC
GGCCGCCGAGTGGCCGGACCGCTTCGGCTACCGGCCGACCCGCTCGGCGCCGCCCT
ACCCGGCCCCCTGCCGCTCCGCGCCAAGGCGGGCGGGCGGGCGCCTCAGCGCTGGC
GCGCTCGCCCTTCTCCATCGAGAGCATCATCGGGGAGCTTGGGCCCGCCCGCGCTGC
CGCCGCCCGCGCAGCCCGCCCGCGCTCAGGCTCGCCCTCGCCCTCGCCGGTGGC
GGCGCCCGCAGTCCCGATCCAGCGGAGGAGGCTGCGCGGCGCAGGCGGGCGGTGGGCC
GGCGCGCGCTCACCCGATCCCTCGTGGCCCGCGGGCGCCGCCCTCCTCAGTCTC
CTCGTCCCGCCTTGGGACTCTGCACCAAGGACTGCCCTGTCCAGTGTGAGAACTT
TACTGCTAGGATTTCAAATTGTTAATAACGCTATGTTAGCGCGCTCGAGGAAGAAGTAG
GAATCCCGGCTCCTTTTCTCGTCTTGGTGGTTCGGTGTGTTTTCGCTCTCCAGGCGG
GCCCTCTCGACCTCGCGCGCCATTTTCGCCGCTGCGAATTCTCGGACAAAAGTCAA
CAGCCCGGCGCGCTTTTGGCTCTGCGGGTCCCTCTATTTAT

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004472 unedited
GGCCGGCATTGTAAACGACTACTATAGGGCGCCGCAATCCACAGCTATGACCCT
GAGCACTGAGATGTCCGATGCCTCTGGCCTCGCCGAGGAAACAGACATCGACGTGGTGGG
GGAGGGGAGGACGAAGAAGACGAGGAAGAGGAGGACGACGAGAGGGCGCGGTGGCGG
GCCCGGCTGGCTGTCCCGCGCAGCGGCGGGCGGGCGGGCGGCTCGTACGCCGGGAGGA
CGAGCTGGAGGATCTGGAGGAGGAGGAGGACGACGATGACATCCTGCTGGCCCCGCTGC
TGGGGCTCCCCGGCGCCCCGGGCCCGGCCCGGGCGGGGGCAGGAGCCGGTGGGGG
CGCGGCGGCGGGCACGGGCGGCGGGAGCGGGTAGCGGCGCCAAGAACCCTGCT
GGTGAAGCCGCCCTACTCGTATATCGCGCTCATCACTATGGCCATCCTGCAGAGCCGCAA
TAAGCGGCTGACGCTGAGCGAGATCTGTGAATTCATCGAGGACGGTTACCCTACTGCC
GGGAGTAATCCCCCTGGCGTTCAAGATCCGGAGTACCCTCGTTTAAACAACCGT
AGGGAATGAATGCCGAATAGTCCAGTCAACTCTGACAATGTTTTTCCCGGGTCTCCGT
TCGAGTTATATCCAGTTTTCATCGCCCGCGGTTATCCCGCTTATCGGAAAGACGCC
GAATTTTTAAACCATAATATTGCATTATATTGGATGCCCCGCTGTTTTTAAATAGT
ATCCCGTCCGCATTCATTGATTCCACCCCTATTTGCTTTCGAAATGTCGCCGAG
TGTTATGATGACAGGCACTGGTAATTATTTGGGCCGCTGTGATTATCGATTTATTCT
CCT

Restriction Sites: Please inquire

ACCN: NM_004472

Insert Size: 1600 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_004472.2 , NP_004463.1
RefSeq Size:	2272 bp
RefSeq ORF:	1398 bp
Locus ID:	2297
UniProt ID:	Q16676
Cytogenetics:	5q13.2
Protein Families:	Transcription Factors
Gene Summary:	This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. Studies of the orthologous mouse protein indicate that it functions in kidney development by promoting nephron progenitor differentiation, and it also functions in the development of the retina and optic chiasm. It may also regulate inflammatory reactions and prevent autoimmunity. [provided by RefSeq, Apr 2014]