

Product datasheet for **SC308431**

FOXD4 (NM_207305) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD4 (NM_207305) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXD4
Synonyms:	FKHL9; FOXD4A; FREAC-5; FREAC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308431 representing NM_207305. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACCTGCCAAGAGCTGAGCGCTTCGCTCCACACCGCAGCGCAGCCTCCGGGACTCCGATGGGGAA
GACGGTAAATCGATGTCCTGGGAGAGGAGGAAGATGAAGACGAGGAGGAGGCGGCGAGCCAGCAGTTTC
CTAGAGCAGTCGCTCCAGCCGGGCTGCAGGTGGCCCGGTGGGGCGGGTTGCGCTTCCCCGAGAGCAC
ATCGAGGGCGGCGGCGCCGAGCGACCCCTCAGAGTTTGGCACCAGTTAGGGCACCGCCAAGGTCT
GCGGGCGGCTCTGAAGATGCCCGCAGCCGCAAGCCCCCTCCTCGTACATCGCGCTCATCACCATG
GCCATCTGCAAAGCCCCGACAAGCGCCTCAGCTCAGCGCATCTGCGCCTTCATTAGTGACCGCTTC
CCCTACTACCGCCGAAGTTCCCGCCTGGCAGAACAGCATCCGCCACAACCTCTCGCTGAACGACTGC
TTGCTCAAGATCCCCCGGAGCCGGGCCCGCCAGGCAAGGGCAACTACTGGAGCCTGGACCCCGCTCC
CAGGACATGTTTCGACAATGGCAGCTTCTCCGGCTAGGAAGCGTTTCCAGCGCCACCAACCGACCCCG
GGAGCCCACCTGCCACCCCTTCCCTCTACCTGCTGCACACGCCGCCCTGCACAACCCCGCCAGGC
CCTCTGCTTGGGGCCCTGCCCGCCGAGCCAGTCCCGGGGCCACCCCAACACCGGCCCGGGAGA
CGCCCTTACGCTCTGCTGCACCCGATCCTCCTCGCTACCTACTGCTCTCGGCCCCCGCTATGCCGGG
GCACCGAAGAAAGCAGAAGGCGCGGACCTGGCGACCCCGGCACCCCTCCCGTGTGCAGCCCTCACTTG
GTCCTCAGCCTTGGGAGGAGGCAAGGGTCTGGCGTCCACCGGGAGGGGATGCATCTCTTTAGCA
TTGAGAGTATCATGCAAGGGGTACGGGGAGCGGGTACAGGGGTGCGCAGAGTTTGTCCCGACCCGCT
GGAGCTACTGCCCTGCTCCAGCGACCGTCAAGCCTGTCGGACAATTTTGCAGCAACAGCAGCGGCAT
CAGGAGGAGGACTGCGCAACGGCTGCGCTCCCACCAAGGGCGCGGTGCTGGCGGGCACCTGTCGGCC
GCGTCGGCGTCTGCGGTATCAGGCGGTGGCAGAGGGCTCTGGGCTGACATCGCTGGCCGCCCTTTG
GGCGGAGAGGGGACCTACCAGTTTTTTAGTATCGCCCACGCCAGTTCCTGGCCGAGTCCGAGGG
CCCTCTAG
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
```



Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_207305
Insert Size:	1320 bp
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:	<u>NM_207305.4</u>
RefSeq Size:	2204 bp
RefSeq ORF:	1320 bp
Locus ID:	2298
UniProt ID:	<u>Q12950</u>
Cytogenetics:	9p24.3
Protein Families:	Transcription Factors
MW:	47.3 kDa
Gene Summary:	This gene encodes a member of the forkhead/winged helix-box (FOX) family of transcription factors. FOX transcription factors play critical roles in the regulation of multiple processes including metabolism, cell proliferation and gene expression during ontogenesis. Mutations in this gene are associated with a complex phenotype consisting of dilated cardiomyopathy, obsessive-compulsive disorders, and suicidality. [provided by RefSeq, Mar 2012]