

## Product datasheet for **RC214719**

### **FOXD3 (NM\_012183) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXD3 (NM_012183) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXD3
Synonyms:	AIS1; Genesis; HFH2; VAMAS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC214719 representing NM\_012183  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCTCTCCGGCGGCGCAGCGCCAGCGACATGTCCGGCCAGACGGTCTGACGGCCGAGGACGTGG  
 ACATCGATGTGGTGGGCGAGGGCGACGACGGGCTGGAAGAGAAGGACAGCGACGCAGTTGCGATAGCCC  
 CCGGGGGCCGCCGAGCTGCGCCTGGACGAGGCGGACGAGGTGCCCGCGCGCACCCCATCACGGACAG  
 CCTCAGCCGCCCCACCAGCAGCCCTGACATTGCCAAGGAGGCGGCGGAGCCGGGGCCGACCGGGGG  
 GCGACGTGGGCGCGCCGAGGCGGACGGCTGCAAGGGCGGTGTTGGCGCGAGGAGGGCGCGGAGCGG  
 CGGCGGGCTGGCGGGCAGCGGTTCCGGCGGAGGCCTGGCCCCGAGCAAGCCCAAGAACGCCTAGTG  
 AAGCCGCCTTACTCGTACATCGCGCTCATACCATGGCCATCCTGCAGAGCCCGAGAAGAAGCTGACCC  
 TGAGCGGCATCTCGAGTTCATCAGCAACCGCTTCCCCTACTACAGGGAGAAGTCCCGCCTGGCAGAA  
 CAGCATCCGCCACAACCTCTCACTCAACGACTGCTTCGTAAGATCCCCGCGAGCCGGGAACCCGGGC  
 AAGGGCAACTACTGGACCCTGGACCCGAGTCCGAGGACATGTTGCAACAACGGCAGCTTCTCGCGCGCC  
 GGAAACGTTCAAGCGCCACCAGCAGGAGCACCTGCGCGAGCAGACGGCGCTCATGATGCAGAGTTCGG  
 CGCTTACAGCCTGGCGCGGCGCGCCGGCGCCGCGGGACCCTACGGCCGCCCTACGGCCTGCACCCTGCG  
 GCGGGCGCGGTGCCTATTCGCACCCGGCAGCGGCGGCGCGCGGCTGCTGCGGCGGCGCTCCAGTACC  
 CGTACGCGCTGCCCGGTTGGCACCCGGTGTGCTCCCGCTGTGCCGTGCTGCCCTCGGGCGAGCTGGG  
 CCGCAAAGCGGCCCTTCGGCTCACAGCTCGGCCCGGGCCTGCAGTGCAGTCAATAGCTGGGGCCG  
 GCCGCGGCGCTGCGGGCACAGCGGGCGCGCGGGCACCCCGCTCGCTCATCAAGTCCGAGCCAAGCG  
 CGCGGCGCTCGTTCAGCATCGAGAACATCATAGTGGGGCCCGCGGCTCCTGGGGCTCGGCGGTGGG  
 CGCTGGGGTCCCGCGGCACTGGGGTTCAAGGGCGGCGAGCAGCGCGCAGTCTGTTCTGCGGCCACCC  
 GGGACCGTGCAGTCCGCGCGCTCATGGCCACCACCAACCGCTGTGCTGAGCCGGACGACTGCCACCA  
 TCGCGCCATTCTTAGCGTGCCACTCTCCGGACAGTTTCTGCAGCCCGCAGCCTCGGCGCGCGCGCTG  
 TCGGGCCCGCTCAAGCCAAATGGCCGGCGCAA

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC214719 representing NM\_012183  
 Red=Cloning site Green=Tags(s)

MTLSGGGSASDMSGQTVLTAEDVDIDVVGEGDDGLEEKSDAGCDSPAGPPELRLDEADEVPPAAPHHGQ  
 PQPPHQPLTLPKEAAGAGAGPGDVGAFPEADGCKGGVGGEEGGASGGPGAGSGSAGGLAPSKPKNSLV  
 KPPYSYIALITMAILQSPQKLLTSGICEFISNRFPPYREKFPWQNSIRHNLNLNDCFVKIPREPGNPG  
 KGNWTLDPQSEDMFDNGSFLRRRKRFRHQEHLREQTALMMQSFAYSLAAAAGAAGPYGRPYGLHPA  
 AAAGAYSHPAAAAAAAAAALQYPYALPPVAPVLPVAVPLLPSELGRKAAAFGSQGLPGLQLQLNSLGA  
 AAAAAGTAGAAGTTASLIKSEPSARPSFSIENIIGGGPAAPGGSAVGAGVAGGTGGSGGGSTAQSFLRPP  
 GTVQSAALMATHQPLSLRRTATIAPILSVPLSGQFLQPAASAAAAAAAAAQAKWPAQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8030\\_d09.zip](https://cdn.origene.com/chromatograms/mk8030_d09.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_012183

**ORF Size:** 1434 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](mailto: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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

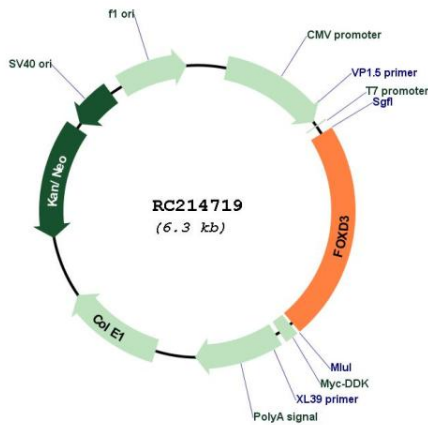
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_012183.3](#)  
**RefSeq Size:** 1437 bp  
**RefSeq ORF:** 1437 bp  
**Locus ID:** 27022  
**UniProt ID:** [Q9UJU5](#)  
**Cytogenetics:** 1p31.3  
**MW:** 47.4 kDa

**Gene Summary:** This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. Mutations in this gene cause autoimmune susceptibility 1. [provided by RefSeq, Nov 2008]

### Product images:



Circular map for RC214719