

Product datasheet for **RG214719**

FOXD3 (NM_012183) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD3 (NM_012183) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXD3
Synonyms:	AIS1; Genesis; HFH2; VAMAS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214719 representing NM_012183
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCCTCTCCGGCGGGCAGCGCCAGCGACATGTCCGGCCAGACGGTCTGACGGCCGAGGACGTGG
 ACATCGATGTGGTGGGCGAGGGCGACGACGGGCTGGAAGAGAAGGACAGCGACGCAGTTGCGATAGCCC
 CCGCGGGCCGCCGGAGCTGCGCCTGGACGAGGCGGACGAGGTGCCCCCGCGCGCACCCCATCACGGACAG
 CCTCAGCCGCCCCACCAGCAGCCCTGACATTGCCAAGGAGGCGGCGGAGCCGGGGCCGACCGGGGG
 GCGACGTGGGCGCGCCGAGGCGGACGGCTGCAAGGGCGGTGTTGGCGCGAGGAGGGCGCGGAGCGG
 CGGCGGGCTGGCGGGCAGCGGTTCCGGCGGAGGCCTGGCCCCGAGCAAGCCCAAGAACGCCTAGTG
 AAGCCGCCTTACTCGTACATCGCGCTCATACCATGGCCATCCTGCAGAGCCCGAGAAGAAGCTGACCC
 TGAGCGGCATCTCGAGTTCATCAGCAACCGCTTCCCCTACTACAGGGAGAAGTCCCGCCTGGCAGAA
 CAGCATCCGCCACAACCTCTCACTCAACGACTGCTTCGTAAGATCCCCGCGAGCCGGGAACCCGGGC
 AAGGGCAACTACTGGACCCTGGACCCGAGTCCGAGGACATGTTGCAACAACGGCAGCTTCTCGCGCGCC
 GGAAACGCTTCAAGCGCCACCAGCAGGAGCACCTGCGCGAGCAGACGGCGCTCATGATGCAGAGTTCGG
 CGCTTACAGCCTGGCGGCGGGCGGCCGCGCCGCGGGACCCTACGGCCGCCCTACGGCCTGCACCCTGCG
 GCGGGCGCGGTGCCTATTCGCACCCGGCAGCGGCGGGCGCGCGGCTGCTGCGGCGGGCTCCAGTACC
 CGTACGCGCTGCCGCGGTGGCACCCGGTGTGCTCCCGCTGTGCCGTGCTGCCCTCGGGCGAGCTGGG
 CCGCAAAGCGGCCCTTCGGCTCACAGCTCGGCCCGGGCCTGCAGTGCAGTCAATAGCTGGGCGCC
 GCCGCGGCGCTCGGGCACAGCGGGCGCGGGCACCACCGCTCGCTCATCAAGTCCGAGCCAAGCG
 CGCGGCGCTCGTTCAGCATCGAGAACATCATAGTGGGGGCCCGCGGCTCCTGGGGCTCGGCGGTGGG
 CGCTGGGGTCCGCGGCGCACTGGGGTTCAGGGGCGGCGAGCAGGCGCAGTCTGTTCTGCGGCCACCC
 GGGACCGTGCAGTGGCAGCGCTCATGGCCACCACCAACCGCTGTGCTGAGCCGGACGACTGCCACCA
 TCGCGCCATTCTAGCGTGCCACTCTCCGACAGTTTCTGCAGCCCGCAGCCTCGGCGCGCGCGCTGCG
 TCGGGCCCGCTCAAGCCAAATGGCCGGCGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214719 representing NM_012183
 Red=Cloning site Green=Tags(s)

MTLSGGGSASDMSGQTVLTAEDVDIDVVGEGDDGLEEKSDAGCDSPAGPPELRLDEADEVPPAAPHHGQ
 PQPPHQPLTLPEAAGAGAGPGGDVGAPEADGCKGGVGGEEGGASGGGPAGSGSAGGLAPSKPKNL
 KPPYSYIALITMAILQSPQKKLTL SGICEFISNRFYREKFPWQNSIRHNL SLNDCFVKIPREPGNPG
 KGNWYTLDPQSEDMFDNGSFLRRRKRFRHQEHLREQTALMMQSF GAYSLAAAAGAAGPYGRPYGLHPA
 AAAGAYSHPAAAAAAAAAALQYPYALPPVAPVLPVAVPLLPSELGRKAAAFGSQ L G PGLQLQLNSLGA
 AAAAAAGTAGAAGTTASLIKSEPSARPSFSIENIIGGGPAAPGGS AVGAGVAGGTGGSGGSGTAQSFLRPP
 GTVQSAALMATHQPLSLSRRTATIAPILSVPLSGQFLQPAASAAAAAAAAAQAKWPAQ

TRTRPLE - GFP Tag - V

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 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.

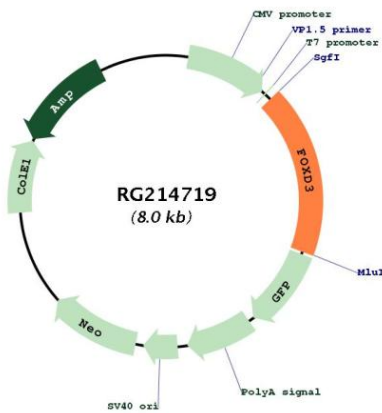
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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

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 RG214719