

## Product datasheet for **RG202363**

### FOX A3 (NM\_004497) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FOXA3 (NM\_004497) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FOXA3  
**Synonyms:** FKHH3; HNF3G; TCF3G  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202363 representing NM\_004497  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGGGCTCAGTGAAGATGGAGGCCATGACCTGGCCGAGTGGAGCTACTACCGGAGGCGGGCGAGG  
 TCTACTCGCCGGTACCCAGTGCCACCATGGCCCCCTCAACTCCTACATGACCCTGAATCCTCTAAG  
 CTCTCCCTATCCCCTGGGGGCTCCCTGCCTCCCCTGCCCCTCAGGACCCCTGGCACCCCCAGCACCT  
 GCAGCCCCCTGGGGCCACTTTCCAGGCCTGGGTGTCAGCGGTGGCAGCAGCAGCTCCGGGTACGGGG  
 CCCCGGTCTGGCTGGTGCACGGGAAGGAGATGCCAAGGGGTATCGGCGGCCCTGGCACACGCCAA  
 GCCACCGTATTCTATATCTCACTCATCACCATGGCCATCCAGCAGGCGCCGGGCAAGATGCTGACCTTG  
 AGTGAAATCTACCACTGGATCATGGACCTTCCCTTACTACCGGAGAATCAGCAGCGCTGGCAGAAT  
 CCATTCGCCACTCGCTGTCTTTCAACGACTGCTTCGTCAAGGTGGCGCTTCCCAGACAAGCCTGGCAA  
 GGGCTCTACTGGGCCCTACACCCAGCTCAGGGAACATGTTTGAGAATGGCTGTACTCTGCGCCGCCAG  
 AAACGTTCAAGCTGGAGGAGAAGGTGAAAAAGGGGGCAGCGGGGTGCCACCACCACCAGGAACGGGA  
 CAGGGTCTGTGCCTCGACCACCACCCCGCGGCCACAGTCACCTCCCCGCCAGCCCCCGCTCCAGC  
 CCCTGAGCCTGAGGCCAGGGCGGGGAAGATGTGGGGCTCTGGACTGTGGCTCACCCGCTTCTCCACA  
 CCCTATTCACTGGCCTGGAGCTCCCAGGGGAGCTGAAGCTGGACGCCCTACAACCTCAACACCCCTT  
 TCTCCATCAACAACCTAATGTGAGAACAGACACCAGCACCTCCCAAAGTGGACGTGGGGTTTGGGGGCTA  
 CGGGGCTGAAGGTGGGAGCCTGGAGTCTACTACCAGGGCCTCTATTCCGCTCTTTGCTTAATGCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG202363 representing NM\_004497  
 Red=Cloning site Green=Tags(s)

MLGSVKMEAHDLAEWSYYPEAGEVYSPVTPVPTMAPLNSYMTLNPLSSPYPPGGLPASPLPSGPLAPPAP  
 AAPLGPTFPGLGVSGSSSSGYGAPGGLVHGKEMPKGYRRPLAHAKPPYSYISLITMAIQQAPGKMLTL  
 SEIYQWIMDLFPYYRENQQRWQNSIRHLSFNDCFKVVARSPDKPGKGSYWALHPSSGNMFENGCYLRRQ  
 KRFKLEEKVKKGGSGAATTTTRNGTGSAASTTTTAAATVTSPPPPPAPEPEAQGGEDVGDALDCGSPASST  
 PYFTGLELPGELKLDAPYNFNHPFSINNLMSMQTPAPPKLDVGFGGYGAEGGEPGVYVYQGLYSRLLNAS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004497

**ORF Size:** 1050 bp

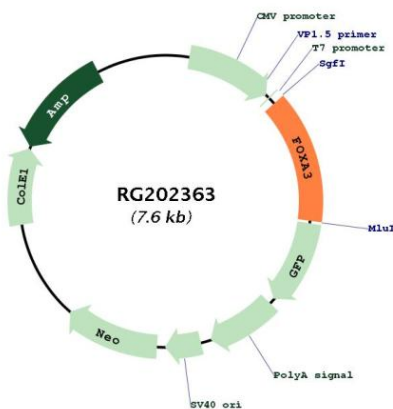
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_004497.3</u>
<b>RefSeq Size:</b>	2046 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	3171
<b>UniProt ID:</b>	<u>P55318</u>
<b>Cytogenetics:</b>	19q13.32
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Transcription Factors
<b>Protein Pathways:</b>	Maturity onset diabetes of the young
<b>Gene Summary:</b>	This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific transcripts such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. The crystal structure of a similar protein in rat has been resolved. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG202363