

Product datasheet for **RG208831**

FOXQ1 (NM_033260) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FOXQ1 (NM_033260) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FOXQ1
Synonyms: HFH1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208831 representing NM_033260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTTGGAGGTGTTTCGTCCTCGCGCGGCCACGGGGACAAGCAGGGCAGTGACCTGGAGGGCGCGG
 GCGGCAGCGACGCGCCGTCCCCGCTGTCGGCGGGGAGACGACTCCCTGGGCTCAGATGGGGACTGCGC
 GGCCAACAGCCCCGCGCGGGCGGGCCAGAGATCCGCCGGGCGACGGCGAACAGAGTGCAGGGAGGC
 GGGCCGGGCGGAGGAGCGGATCCCGCAGCAGCTGCTGCAGCGGTGGTGGCGGAGGGCGCGGAGGCCG
 GGGCGGGGGCCAGGCGGGCGGGCGGGGAGCGGCGAGGGTGCACGCAGCAAGCCATATACGCGCGG
 GCCAAGCCCCCTACTCGTACATCGCGCTCATCGCCATGGCCATCCGCGACTCGGCGGGCGGGCGCTTG
 ACGCTGGCGGAGATCAACGAGTACCTCATGGGCAAGTTCCTTTTCCGCGGCAGCTACACGGGCTGGC
 GCAACTCCGTGCGCCACAACCTTTCGCTCAACGACTGCTTCGTAAGGTGCTGCGCGACCCCTCGCGGCC
 CTGGGGCAAGGACAACACTACTGGATGCTCAACCCCAACAGCGAGTACACCTTCGCCGACGGGGTCTCCGC
 CGCCGCGCAAGCGCCTCAGCCACCGCGCGCCGGTCCCCGCGCCCGGGCTGCGGCCGAGGAGGCCCGG
 GCCTCCCCGCGCCCCGCGCCCGCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCCCGCC
 GGAGGAGCGCGCCAGCCCCGCGGCAAGTTCACAGCTCCTTCGCATCGACAGCATCCTGCGCAAGCCC
 TTCCGACGCGCCGCTCAGGGACAGGCCCGGGACGAGCTTCAGTGGGGCGCGCCCTGCCCGC
 CGCTGCCCGGTTCCCCGCGCTCCTCCCCGCGGGCCCTGCAGGGCCCTGCTGCCGCTCTGCGCGTACGG
 CGCGGGGAGCCGCGCGGCTGGGCGCGCGGAGGCCGAGGTGCCACCGACCGCGCGCCCTCCTGCTT
 GCACCTCTCCCGCGCGGCCCGCCCAAGCCACTCCGAGGCCCGCGCGCGCGCGCACCTGTACT
 GCCCCCTGCGGCTGCCCGCAGCCCTGCAGGCGGCCCTCAGTCCGCCCGCCCTGGCCCGACCTGCCGTACCC
 GGTGGAGACGCTCCTAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208831 representing NM_033260
 Red=Cloning site Green=Tags(s)

```
MKLEVFVPRAAHGDKQGS DLEAGGSDAPSPLSAAGDDSLGSDGDCAANSPAAGGGARDPPGDGEQSAGG
GPGAEAEIPAAAAA VVAEGAEAGAAGPGAGGAGSGEGARSKPYTRRPKPPYSYIALIAMAIRDSAGGRL
TLAEINEYLMGKFPFFRGSYTGWRNSVRHNL SLNDCFVKVLRDPSRPWGDKNYWMLNPNSEYTFADGVFR
RRRKRLSHRAPVPAPGLRPEEAPGLPAAPPPAPAAPASPRMRSPARQEERASPAKGFSSSFAIDSILRKP
FRSRRLRDTAPGTTLQWGAAPCPPLPAFPALLPAAPCRALLPLCAYGAGEPARLGAREAEVPPTAPPLLL
APLPAAAPAKPLRGPAAAGGAHL YCPLRLPAALQAASVRRPGPHLPYPVETLLA
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033260

ORF Size: 1209 bp

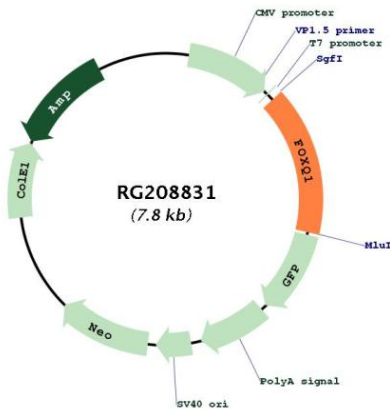
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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_033260.2](#), [NP_150285.2](#)
- RefSeq Size:** 2322 bp
- RefSeq ORF:** 1212 bp
- Locus ID:** 94234
- UniProt ID:** [Q9C009](#)
- Cytogenetics:** 6p25.3
- Protein Families:** Transcription Factors
- Gene Summary:** FOXQ1 is a member of the FOX gene family, which is characterized by a conserved 110-amino acid DNA-binding motif called the forkhead or winged helix domain. FOX genes are involved in embryonic development, cell cycle regulation, tissue-specific gene expression, cell signaling, and tumorigenesis (Bieller et al., 2001 [PubMed 11747606]).[supplied by OMIM, May 2009]

Product images:



Circular map for RG208831