

Product datasheet for **RG234588**

FOXJ3 (NM_001198850) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FOXJ3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG234588 representing NM_001198850
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTTTGTATGGACAGGCTTGTCCATCTGTAACCTCATTAAAGGATGACATCTGAACTGGAGAGCAGCC
 TAACGTCTATGGACTGGTTACCACAGCTCACCATGAGAGCAGCCATCCAAAAATCTGATGCTACACAAAA
 TGCACATGGAACAGGAATTTCTAAGAAGAATGCACTCCTTGACCCAAATACAACCTCTGGACAGGAAGAA
 GTCCACAGCACAAAGATGGGAAACCTCCATACAGTTATGCCAGCCTCATTACATTTGCAATTAATAGCT
 CACCCAAAAAGAAATGACTTTAAGTGAATTTATCAGTGGATTGTGATAACTTCCCATATTATAGAGA
 GGCTGGCAGTGGTTGGAAGAATTCCATACGACATAATCTGTCAATGAACAAATGTTTCTTAAAGTGCCT
 CGATCTAAGGATGACCTGGAAGGGTCTACTGGGCAATAGACACCAATCCGAAGGAAGATGTGCTGC
 CTACTCGGCCAAAGAAGAGGGCAGCATCTGTAGAACGGGCTCACTCCATATAGCATAGATTAGATTCT
 TTTGGGAATGGAGTGATTATTTGGGAAGTGCCTCTCCAACCTCTGGCAATCAACACTGTGACTAACAAA
 GTAACATTGTATAACACTGATCAGGATGGTAGTAGATAGCCACGCAGTAGCCTTAACAACAGTCTCTCAG
 ACCAGAGTTTGGCATCTGTTAATTTGAACAGTGTGGAAGTGTGCATAGTTATACACCGGTGACAAGCCA
 TCCAGAATCAGTCTCTCAATCATTAACTCCTCAGCAGCAACCACAGTACAACCTTCCAGAAAGAGACAAG
 CAACTACTTTTCTCAGAATATAATTTGAAGATCTTAGTGCCTCATTTCGGAGCCTTTATAAGTCAGTTT
 TTGAGCAGTCACTTAGTCAACAAGGTTTGTGAACATCCCTTCTGAATCTTCCAGCAGTCCCACACTTC
 ATGTACCTATCAGCACTCTCCAGCAGTACAGTGAAGTCACTACCCACACAGCAACCAAGCAGCCTGTCC
 AACAGTCATGGCAGTGGCTCAACACCACAGGCAGTAATTCGGTTGCACAGGTCTCACTGTCTACCCCC
 AGATGCACACACAGCCATCTCCATCCTCCCATCGACCGCATGGTTTACCGCAGCATCCGAGCGTTC
 CCCACACCCAGCACACCCACAGCAACACAGCCAGTCCAGTCCCTCACCCCCAGCATCCCTCTCCA
 CATCAACACATACAGCACCATCCGAACCATCAGCATCAGACGTTAACACATCAGGCACCCCCACCCCCAC
 AACAGGTATCCTGTAATCTGGTGTTCAAATGATTGGTATGCGACACTTGATATGCTAAAGAAAGCTG
 TCGAATTGCCAGCAGTGTAATTTGGTCAGATGTAGACCTTTACAGTTTCAAGGTCTGATGGAGAGTATG
 AGACAGGCAGATCTCAAGAAGTGGTCTTTAGACCAGGTTTCAAGTTTCCCGATCTTTGTTCTTCTCTTAATC
 AGTTCTTTACAAAACCTGCTTATACATTCACAGAGTAATGTTCAACAAAATGTTTGTATGGTGCCAT
 GCATCAACAAAACCTTCCCAACATTGGAACAGGAAATTTGTACATAGATTCTAGGCAAAATCTCCCT
 CCTTCAGTGATGCCACCCCTGGTTATCCTCATATCCACAGGCACTCAGCACTCCAGGAACAACGATGG
 CAGGCCATCAGAGCCATGAACCAGCAGCATGATGCCTTCCCAAGCCTTCCAGATGCGGCGTTCCTT
 GCCTCCAGATGACATCCAGGATGACTTTGATTGGGATTCAATTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234588 representing NM_001198850
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MGLYGQACPSVTSLRMTSELESSLTSMDWLPQLTMRAAIQKSDATQNAHGTGISKKNALDLPNTTLDQEE
 VQHKDGGKPPYSYASLITFAINSSPKKKMTLSEIYQWICDNFPYYREAGSGWKNSIRHNLNLNCKFLKVP
 RSKDDPGKGSYWAIDTNPKEVDLPTRPKRARSVERASTPYSIDSDSLGMECIISGSASPTLAINTVTNK
 VTLYNTDQDGS DPRSSLNNSLSDQSLASVNLNSVGSVHSYTPVTSHPESVSQSLTPQQQPQYNLPERDK
 QLLFSEYNFEDLSASFRLYKSVFEQSLSQGLMNIPSESSQQSHTSCTYQHSPSSTVSTHPSNQSSLS
 NSHGSGLNTTGSNSVAQVSLSHPQMHTQSPHPPHRLPQHPQRSPPHAPHPQHSQQLQSPHPQHPSP
 HQHIQHHPNHQHTLTHQAPPPQVSCNSGVSNWDYATLDMLEKESRIASSVNWSDVDLSQFQGLMESM
 RQADLKNWSDQVQFADLCCSLNQFFQTGLIHSQSNVQNVCHGAMHPTKPSQHIQTGNLYIDSRQNL
 PSMVMPPPGYPHIPQALSTPGTTMAGHHRAMNQQHMMPSQAFQMRRSLPPDDIQDDFDWDSIV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001198850

ORF Size: 1866 bp

OTI Disclaimer: 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.

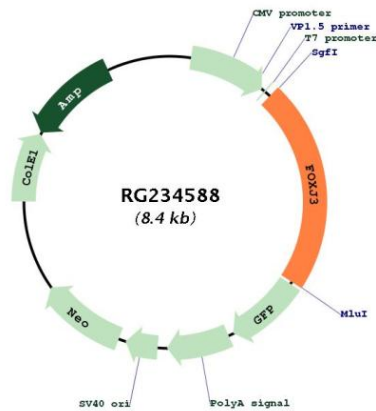
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001198850.2](#)

RefSeq Size: 5324 bp

RefSeq ORF:	1869 bp
Locus ID:	22887
UniProt ID:	Q9UPW0
Cytogenetics:	1p34.2
Gene Summary:	Transcriptional activator of MEF2C involved in the regulation of adult muscle fiber type identity and skeletal muscle regeneration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234588