

Product datasheet for **RG223243**

FOXD4L1 (NM_012184) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD4L1 (NM_012184) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXD4L1
Synonyms:	bA395L14.1; FOXD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223243 representing NM_012184 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAACCTGCCAAGAGCTGAGCGCCCTCGCTCCACACCGCAGCGCAGCCTCCGGGACTCCGATGGGGAAG
 ACGGTAATCGATGTCCTGGGAGAGGAGGAAGATGAAGACGAGGTGGAAGACGAGGAGGAGGAGCGAG
 CCAGAAGTTCTAGAGCAGTCGCTCCAGCCGGGCTGCAGGTGGCCCGGTGGGCGGGGTTGCGCTTCCC
 CGAGAGCACATCGAGGGCGCGGCCGAGCGACCCCTCAGAGTTTGGCACCGAGTTCAGGGCACCGCCAA
 GGTCTGCGGCGGCTCTGAAGATGCCCGCAGCCGGCAAAGCCCCCTACTCGTACATCGCGCTCATCAC
 CATGGCCATCCTGCAAAGCCCGACAAGCGCCTCACGCTCAGCGGCATCTGCGCCTTCATTAGTGGCCGC
 TTCCCCTACTACCGCCGAAGTTCCCGCCTGGCAGAACAGCATCCGCCACAACCTCTCGCTGAACGACT
 GCTTCGTAAGATCCCCCGCGAGCCGGGCCACCCAGGCAAGGGCACCTACTGGAGCCTGGACCCCGCCTC
 CCAGGACATGTTGCAATGGCAGCTTTCTCCGGCTAGGAAGCGTTTCAAGCGCCACCAACTGACCCCG
 GGAGCCACCTGCCCCACCCCTTCCCTTACCTGCTGCACACGCCGCCCTGCACAACCCCGCCAGGCC
 CTCTGCTTGGGGCCCCTGCCCTGCCGAGCCAGTCCCGGGGGCTACCCCAACACCGCCCCGGGAGACG
 CCCTTACGCTCTGCTGCACCCGCATCCTCTCGCTACCTACTGCTCTCGGCCCGCCTATGCCGGGGCA
 CCGAAGAAAGCAGAAGGCGCGGACCTGGCGACCCCGGCACCTTCCCGTGTGCAGCCCTCACTTGGTC
 CTCAGCCTTGGGAGGAGGCAAGGGTCTGGCGTCGCCACCGGGAGCGGATGCATCTCTTTCAGCATTGA
 GAGTATCATGCAAGGGGTGAGGGGAGCGGTACAGGGGTGCGCAGAGTTTGTCCCCGACCGCTGGAGC
 TACTGCCCTGCTCCAGCGACCGTCAAGCCTGTGCGACAATTTTGCAGCAACAGCAGCAGCATCAGGAG
 GAGGACTGCGCCAACGGCTGCGCTCCACCAAGGGCGCGGTGCTGGGCGGGCACCTGTCGGCCGCTCGG
 CGTGCTGCGGTATCAGGCGGTGGCAGAGGGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223243 representing NM_012184
 Red=Cloning site Green=Tags(s)

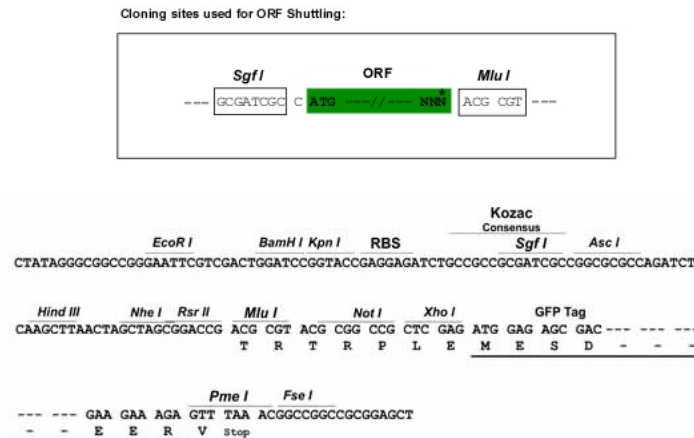
MNLPRAERPRSTPQRSLRDSGDGDKIDVLGEEDEDEVEDEEEESQKFLEQSLQPLQVARWGGVALP
 REHIEGGGSPDPSEFGTEFRAPPRSAASEDARQPAKPPYSYIALITMAILQSPHKRLTLSGICAFISGR
 FPYYRRKFPAWQNSIRHNLNLNDCFVKIPREPGHPGKGTYSWLDPASQDMFDNGSFLRRRKRFKRHQLTP
 GAHLPHFPFLPAAHAALHNPRPGPLLGAALPQVPVGAYPNTAPGRRPYALLHPHPRYLLLSAPAYAGA
 PKKAEGADLATPGTLPVLQPSLGPQPWEEGKGLASPPGGGCSFSIESIMQGVRGAGTGAAQSLSPATAWS
 YCPLLQRPSSLSDNFAATAAASGGGLRQRLRSHQGRGAGRAPVGRVGAAYVSGGGRGL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_012184

ORF Size: 1224 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.

RefSeq: [NM_012184.4](#)

RefSeq Size: 2250 bp

RefSeq ORF: 1227 bp

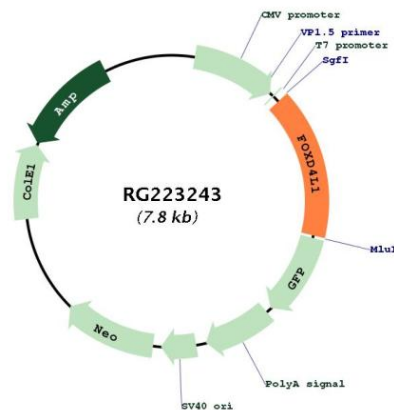
Locus ID: 200350

UniProt ID: [Q9NU39](#)

Cytogenetics: 2q14.1

Gene Summary: This gene is a member of the forkhead/winged-helix (FOX) family of transcription factors with highly conserved FOX DNA-binding domains. Members of the FOX family of transcription factors are regulators of embryogenesis and may play a role in human cancer. This gene lies in a region of chromosome 2 that surrounds the site where two ancestral chromosomes fused to form human chromosome 2. This region is duplicated elsewhere in the human genome, primarily in subtelomeric and pericentromeric locations, thus multiple copies of this gene have been found. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG223243