

Product datasheet for **RG219426**

FOXD4L2 (FOXD4L3) (NM_199135) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD4L2 (FOXD4L3) (NM_199135) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXD4L2
Synonyms:	FOXD4B; FOXD4L2; FOXD4L4; FOXD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219426 representing NM_199135 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTGCCAAGAGCTGAGCGCCTTCGCTCCACACCGCAGCGCAGCCTCCGGGACTCCGATGGGGAAG
ACGGTAAAATCGATGTCTGGGAGAGGAGGAAGATGAAGACGAGGTGGAAGACGAGGAGGAGCGCGCAG
CCAGCAGTTCTAGAGCAGTCGCTCCAGCCGGGCTGCAGGTGGCCCGTGGGGCGGGTTCGCTTCCC
CGAGAGCACATCGAGGGCGCGGCCCGAGCGACCCCTCAGAGTTTGGCACCAAGTTCAGGGCACCGC
CAAGGTCTGCGGGCCCTCTGAAGATGCCCGCAGCCGCAAGCCCCCTACTCGTACATCGCGCTCAT
CACCATGGCCATCCTGCAAAACCCGCACAAGCGCCTCACGCTCAGCGGCATCTGCGCCTTATTAGTGGC
CGTTCCTCCCTACTACCGCCGAAGTTCCCCGCCTGGCAGAACAGCATCCGCCACAACCTCTCGTGAACG
ACTGCTTCGTTAAGATCCCCCGGAGCCGGGCCACCCAGGCAAGGGCAACTACTGGAGCCTGGACCCCGC
CTCCCAAGACATGTTGACAATGGCAGCTTCTCCGGCGTAGGAAGCGTTTCAAGCGCCACCAACTGACC
CCGGGAGCCACCTGCCCAACCCCTTCCCTCTACCTGTGCACACGCCGCCCTGCACAACCCCAACCCAG
GCCCTCTGCTTGGGGCCCTGCCCGCCGAGCCAGTCCCGGGGGCTACCCCAACCGCCCGCCGGGAG
ACGCCCTTACGCTCTGCTGCACCCGCATCTCTCGCTACCTACTGCTCTCGGCCCGTCTATGCCGGG
GCACCGAAGAAAGCAGAAGGCGCGCCCTGGCGACCCCGCACCCCTTCCCGTGTGCAGCCCTCACTTGG
TCCTCAGCCTTGGGAGGAGGGCAAGGGTCTGGCGTCGCCACCGGAGGCGGATGCATCTCTTTAGCATT
GAGAGTATTATGCAAGGGGTGAGGGGAGCGGTACAGGGGCTGCCGAGAGTTTGTCCCGACCGCGTGGA
GCTACTGCCACCTGCTCCAGCGACCATCAAGCCTGTTGCATCCCCAGACCGCTGCCCTTTGCTGCAAGT
GTCCGCCCGCCGCTGCTCGGACAATTTTGCAGCAATAGCAGCAGCATCAGGAGGAGGACTGCGCAAC
GGCTGCGTCCCACCAAGGGCGCGGTGCTGGCGGGCACCTGTCGGCCTCGTCGGCGCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219426 representing NM_199135
 Red=Cloning site Green=Tags(s)

MNL PRAERLRSTPQRSLRSDGEDGKIDVLGEEDEDEVEDEEEAASQQFLEQSLQPGLQVARWGGVALP
 REHIEGGGGSDPSEFGTKFRAPPRSAASEDARQPAKPPYSYIALITMAILQNPBKRLTLSGICAFISG
 RFPYYRRKFPWQNSIRHNLSLNDCFVKIPREPGHPGKGNYSWLDPASQDMFDNGSFLRRRKRFRKRLT
 PGAHLPHFPFPLAAHAALHNHPHPGPLLGAAPPQVPVPGAYPNTAPGRRPYALLHPHPLRYLLL SAPVYAG
 APKKAEGAAALATPAPFPCCSPHLVLSLGRRARVWRRHREADASLSALRVLCKGSGERVQGLRRVCPRRPG
 ATATCSSDHQACCIPRPLPLCCKCPPPPLLQGFCSNSSSIRRRTAPTAALPPRARCWAGTCRPRRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199135

ORF Size: 1253 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_199135.1](#), [NP_954586.1](#)

RefSeq Size: 2219 bp

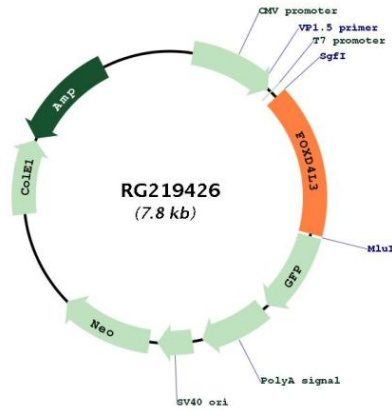
RefSeq ORF: 1254 bp

Locus ID: 286380

UniProt ID: [Q6VB84](#)

Cytogenetics: 9q21.11

Product images:



Circular map for RG219426