

Product datasheet for **RG222086**

FOXD2 (NM_004474) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD2 (NM_004474) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXD2
Synonyms:	FKHL17; FREAC-9; FREAC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222086 representing NM_004474
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCTGGGCAGCTGCTGCTGCGAGATCATGTCTCCGAGAGCTCCCCGGCCGCGCTGTCCGAGGCCG
 ACGCAGACATAGACGTGGTGGGCGCGGACAGCGCGGGGGGAGCTCCAGCTCGCTCCGGCCCCGCGC
 CCCCCGGACGTCTCCCCACGGCCACGAGCCTCCCGCGGAGGAAGCCGAGGCAGACTTAGCCGAGGAC
 GAGGAGGAGTCTGGTGGCTGCTCGGACGGCAGCCCCGCGCTCTGGCGTCCCGGGGGCGCGGCCGAG
 CGGGGAGCCCGGGCCAGGCGCCGCGCGGCCCGCGCGCAGCGGGGCCCGGGCCGGGACCGCCGTGCGG
 GGGCGCGCGACGCGGAGCCCGTGGTGAAGCCGCCCTACTCGTACATCGCGCTCATCACCATGGCCATC
 CTGCAGAGCCCCAAGAAGCGGCTGACGTTGAGCGAGATCTGCGAGTTCATCAGCGCCGCTTCCCCTACT
 ACCGGGAGAAGTCCCCCGCTGGCAGAACAGCATCCGCCACAACCTCTCTCAACGACTGCTTCGTCAA
 GATCCCCCGGAGCCGGCAACCCGGGCAAGGGCAACTACTGGACGCTGGACCCGGAGTCGGCCGACATG
 TTCGACAAACGGCAGCTTCTGCGCGCTGCAAGCGCTTCAAGCGGACGCCCTGCCGCCGCGCACCCAC
 ACCCGCACCTCACCCGGAGCTGCTGCTGCGTGGCGGGGCCGCGCGCGGGGGATCCCGCGCTTTCCT
 GCCCGGCTTCGCTGCCTACGGCGCTACGGCTACGGCTACGGGCTGGCTCTCCCGGCTACGGCGCACCC
 CCGCCGGGGCCGGCCCCGCATCCGCACCCGCACCCGCACGCTTCGCTTTCGCGCGGCAGCCGCCGCCG
 CTCCTTGCCAGCTGTGCGTACCCCAAGCCGCGCCGCCGCGCCTCCACCCGGACCTCCGACGGCCTCGGT
 GTTCGACGGCGCGGGATCGGCCAGCTCCTGCGCCTGCCTCAGGCTCGGGCCGGGGCCGGGCCCGCA
 GGCTGCCCGCTTCTGGGCGCGGAGCTGGGCTGCGCCAAAGCCTTCTACCCGGCGTCCCTGAGTCCTC
 CGCAGCCGGCACCGCGCGGGTCTGCCACCGCACTTCTGCGCCAGGGCCTAAGACGGACGCGGGCGG
 TGGTGCAGGCGGGCGGGGCGCCGGGCAAGGCGAGAGCCTTCTTCTCTATAGACCACATCATGGGCCAC
 GGTGGCGCGGGGCGAGCACCCCGGGCGCGCGGAGGGCTCTCCGGGACCGCCATTTCGCGCGAGCCGCGG
 GTCCTGGGGGCAAGCCAGGTCTTGCCATGCTGACTGCTCCGGCCCTGGCTCCCGTTGCTGGCCACAT
 TCGCCTCTCGCATCCCGGGGACGCGCTGCTGCTCAGGGTCCCGGTTTCCAGCAAAGTCGCCGCGCCTT
 AGTGGCTGCCACTTC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222086 representing NM_004474
 Red=Cloning site Green=Tags(s)

MTLGSCCCEIMSESSPAALSEADADIDVVGGSGGGELPARSGPRAPRDVLPHGHEPPAEAEADLAED
 EEESGGCSDGEPRALASRGAAAAAGSPGAAAAARGAAGPGPGPPSGGAATRSPLVKPPYSYIALITMAI
 LQSPKKRLTLSEICEFISGRFPYREKFPQNSIRHNLNLNDCFVKIPREPGNPKGNYWTLDPESADM
 FDNGSFLRRRFRKRPPLPPPHPHPHPELLLLRGAAAAAGDPGAFLPGF AAYGAYGYGLALPAYGAP
 PPGPAPHPHPHAF AAAAAAAPCQLSVPPGRAAAPPPGPTASVFAAGSAPAPAPASGSGPGPGA
 GLPAFLGAE LGC AFAFY PASL SPPAAGTAAGLPTALLRQGLKTDAGGGAGGGGAGAGQRPSPFSIDHIMGH
 GGGGAAPPGAGEGSPGPPFAAAGPGGQAQVLAAML TAPALAPVAGHIRLSHPGDALLSSGSRFASKVAGL
 SGCHF

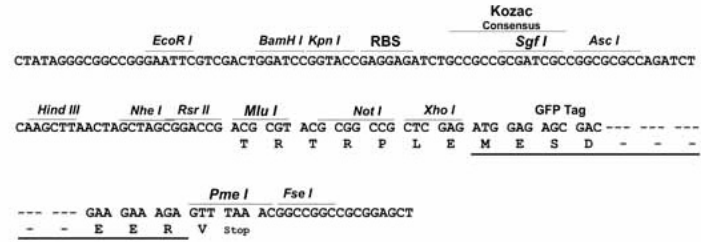
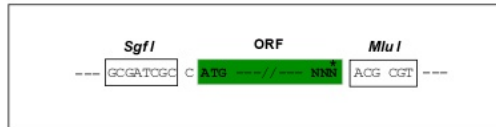
TRTRPLE - GFP Tag - V

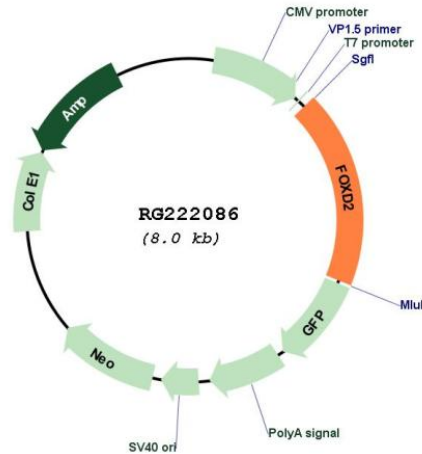
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_004474

ORF Size: 1485 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:	<ol style="list-style-type: none">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_004474.2 , NP_004465.2
RefSeq Size:	4689 bp
RefSeq ORF:	1488 bp
Locus ID:	2306
UniProt ID:	O60548
Cytogenetics:	1p33
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined. [provided by RefSeq, Jul 2008]