

Product datasheet for **MG218575**

Foxd2 (NM_008593) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxd2 (NM_008593) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Foxd2
Synonyms:	A1426778; Mf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG218575 representing NM_008593
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACCCTGGGCAGCTGCTGCTGCGAGATCATGTCTCCGAGAGCTCCCCGGCCGCGCTGTCTGAGCCCG
 ACGCAGACATAGACGTGGTGGGGCGCGCAGCGGTGGGGGGAGCTCACAGCCCGCTCCGGGCCCGCGC
 CCCTCGGGACGTGCTCCCTCACGGCCACGAGCCTCCCCGGAGGAAGCCGAGCGGACGTGGCTGAGGAC
 GAGGAAGAGTCGGGAGGTTGCTCTGACTGCGAGCCCCGCGCTCTAGCGCCCCGGGGGGCGGGCCGCGAG
 CGGAAGCCCGGGCCCGCGCTGACGGCAGCCGAGGCGCAACGGGGCCGGGGCCGGGACCCGGGCCCGC
 GTCGGGGGGCGCGGACACGGAGCCCTCTGGTAAACCACCTTATTCTGACATCGCCCTCATCACCATG
 GCCATCTGCAGAGCCCCAAGAAGCGCCTGACGCTGAGCGAGATCTGCGAGTTCATCAGCGGCCGCTTCC
 CCTACTACGGGAGAAGTCCCTGCCTGGCAGAATAGCATCCGCCACAACCTCTCCCTCAACGACTGCTT
 CGTTAAGATCCCCGCGAGCCGGCAACCCGGGCAAGGGCAACTACTGGACGCTCGACCCGGAGTCGGCC
 GACATGTTGACAAACGGCAGTTTCTGCGGCGCCGCAAGCGCTTCAAGCGGCAGCCTCTGCGCCACCCG
 ATCCACACCCGCATCCTACCCGGAGCTGCTGTTGCGTGGCGGGGCTGCCGCGCCGGGGACCCTGGCGC
 CTTCTCTCGAGCTTCGCCGCTTACGGCCTACGGCTACGGCTACGGGCTGGCGCTCCCGGCTACGGT
 GCACCTCCACCGGGCCCGGCCACACCCGCATCCGCACCCGCACGCCTTCGCTTCGCCGCCACCCGCG
 CTTGCCAGCTGTCAAGTCCCGGGCCGCGCCGCGCGCCTCTCCCGGACTCCGACGGCTCGGTCTT
 CGAAGCGCGCCTCGGCGCCGGCCCTGCGCCTGCCCGGGATCGCCGAGCCCCGAGGGCTGCGT
 GCCTTCTAGGCGCAGAGCTGGGTTGCGCAAGGCTTCTACCCCGCGTCTTGAAGTCCCCCGCAGCTG
 GCACAGCCGCTAGCCTGTCCACTGCATCCTGCGTCAGGCGCTCAAGACGGACCGCCGGTGGTGGCGG
 TGGCGGGGGCGCGGGACAGGCCAGAGGCTTCTTTTCTATAGACCACATCATGGGCCACGGTGGTGGC
 GGGGCCGACCCCGGGCAGCGCGACGGTTCCTCCGGATCGCCATTGCGCGCAGCCGAGTCTGGGG
 GTCAAGCCCAAGTCTTGCCATGCTGACTGCCCGGCCCTGACTCCGGTGGCTGGCCACATCCGCTCTC
 GCACCCAGGGGACTACTCCTGTCTTCAAGGCCCTCGTTTCCAGCAAAGTCGCGGGCCTCAGTGCTGC
 CACTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218575 representing NM_008593
 Red=Cloning site Green=Tags(s)

MTLGSCCCEIMSESSPAALSEPDADIDVVGSGGGELTARSGPRAPRDVLPHGHEPPPEEAEADVAED
 EEESGGCSDCEPRALAPRGAAAAAGSPGPGVQAARGATGPGPGPPSGGAATRSPLVKPPYSYIALITM
 AILQSPKKRLTLSEICEFISGRFPYYREKFPWQNSIRHNLNLNDCFVKIPREPGNPGKGNWYTLDPESA
 DMFDNGSFLRRRKRFRKQPLPPPHPHPHPELLLRGGAAAAGDPGAFLLSSFAAYGAYGYGLALPAYG
 APPPGPAPHPHPHAFFAAATAPCQLSVPPGRAAAPPPGPPTASVFAAASAPAPAPAGSGPSPAGLP
 AFLGAELGCAKAFYPASLSPPAAGTAASLSTALLRQGLKTDAGGGAGGGGAGTGQRPSFSIDHIMGHGGG
 GAAPPGSGDGPSPFAAAAAGPGQAQVLAML TAPALTPVAGHIRLSHPGDSLLSSGSPFASKVAGLSGC
 HF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



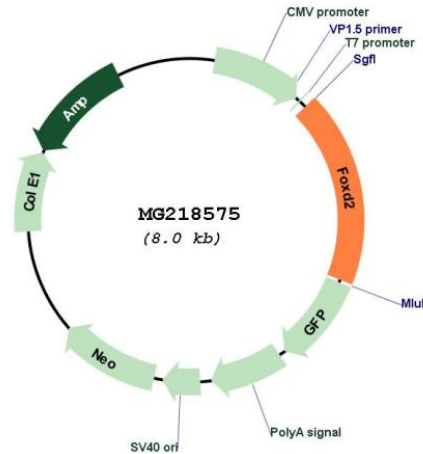
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                                Kozac
                                Consensus
                                SgfI   AscI
EcoRI   BamHI KpnI   RBS
CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT

HindIII  NheI  RsrII  MluI   NotI   XhoI   GFP Tag
CAAGCTTAAGCTAGCTAGCGGACCG  ACG CGT  ACG CGG  CCG CTC GAG  ATG GAG AGC GAC --- ---
                                     T  R  T  R  P  L  E  M  E  S  D  -  -  -

                                PmeI   FseI
--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
- - - E  E  R  V  Stop

```

Plasmid Map:


ACCN: NM_008593

ORF Size: 1476 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_008593.3](#), [NP_032619.1](#)

RefSeq Size: 2619 bp

RefSeq ORF: 1479 bp

Locus ID: 17301

UniProt ID: [O35392](#)

Cytogenetics: 4 52.73 cM

Gene Summary: Probable transcription factor involved in embryogenesis and somatogenesis.
[UniProtKB/Swiss-Prot Function]