

## Product datasheet for **MC216113**

### **Foxd1 (NM\_008242) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxd1 (NM_008242) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxd1
Synonyms:	AI385632; BF-2; FREAC4; Hfh10; Hfhbf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216113 representing NM\_008242  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCTGAGCACGGAGATGTCCGATGCCTCCGGCTCGCGGAGGAGACAGACATCGACTGGTGGGG  
 AGGGCGAGGACGACGAGGAGGAGGACGATGACGACGAGGGCGCGCGGCCGCGGGCGCGGGT  
 CCGGTTGCCGAGCTCGGCCAGCGGGGAGGCGCTCTTACGCGGGGAGGACGATCTCGAGGACCTGGAG  
 GAGGAGGACGACGATGACCTGCTGCTGGCTCCCGGCCCGCGCTCCCCGCGCCTCCGGTCTCGCG  
 CCGCCCCGGGACCGGTGCGGCGGCTGCAGCGCGCGGAGCGGGAGGCGCGGGAGGTGGTACGGG  
 CGCGGGCACGGGCGGGGCGCTAAGAATCCGCTGGTGAAGCCGCCCTACTCGTACATCGCGCTCATACC  
 ATGGCCATCTGCAGAGCCCCAAGAAGCGCTGACGCTCAGCGAGATCTGCGAGTTCATCAGCAGCCGCT  
 TCCCTTACTACCGGAGAAAGTCCCGCTTGGCAGAACAGCATCCGTACAACCTGTCGCTCAACGACTG  
 CTTGTCGAAGATCCCGCGCAACCGGGCAACCCGGCAAGGGCAACTACTGGACGCTCGACCCGGAGTCC  
 GCAGATATGTTTCGACAACGGCAGCTTCTGCGGCGCCGAAGCGTTCAAGCGCCAGCCGCTACTCGCTC  
 CCCACGCGGGCGCCGAGGCGCTGCTGCTGCGCGGTGCGGGGCGCGCGGGGCGCAGGGGACCCGGGCGC  
 CGCGCTTTTCCCGCCGCCCGCCACCGCCCGCTGCGGCTACGGAGCCTACGGCTGCGCCTACGGCCTG  
 CAGCTGCCACCCTGCGCGCCGCCCTCCGCGCTCTTCGCTGCCCGCGCGGCGAGCCGCCCGCCCTTCC  
 ATCCGCACTCGCCCCGCGCCTCTCTCTCCGCGCGCCTCCCGGTGCGGCGCGCGAGCTGGCGCG  
 GACCGCTTCCGCTACCGGTACACGCGCTGGCTGCCGCCCTGCCCGCCCTTTCAGGGCGGCGCAGTC  
 AAGGCGGAGGCGCGGCGCGCAGCGCTCGCACGCTCGCCCTTCCATCGAGAGCCTCATCGGGCGCA  
 CTCGGGTCCCGCGGCGCGGGGCGCACGTCTCGTCCGGGCGCGCCAGCGGGACCGCCCGGGACCCGG  
 GGGCGGGGTTCGCGAGTACAGGCGGCTGCTGGTCCCGCGCTCGCGCTCACCCGCTCGCTCGTGGTCCG  
 GCCGCGGCGCGCCCTCTCCGTCTCTGTCGCTCCGCGCGCTGGGACTCTGCACCAAGGGACAGCGCTGT  
 CCAGTGTGGAGAAGTTTACTGCTAGGATTTCCAATTGTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_008242

**Insert Size:** 1371 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_008242.2](#), [NP\\_032268.2](#)

RefSeq Size: 2461 bp

RefSeq ORF: 1371 bp

Locus ID: 15229

UniProt ID: [Q61345](#)

Cytogenetics: 13 51.96 cM

**Gene Summary:** Transcription factor involved in regulation of gene expression in a variety of processes including formation of positional identity in the developing retina, regionalization of the optic chiasm, morphogenesis of the kidney, and neuralization of ectodermal cells (PubMed:15509772, PubMed:15634693, PubMed:9811586). Involved in transcriptional activation of PGF and C3 genes (By similarity).[UniProtKB/Swiss-Prot Function]