

Product datasheet for **MR217136**

Foxd4 (NM_008022) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxd4 (NM_008022) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxd4
Synonyms:	Fkh2; FREAC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217136 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACTCAGCAAGAGCTGGGCACCTTCGTTCCACTCCACGCCAGTCCTCTAAGTTCGACCAGGATG
 AGGTGGAGATCGACGTGCTGGCAGAGGAGGAAGATGGAGATCAGACGGAAGAAGAGGATGACGAGGAGGA
 GAGCCATAAGTGCCTGGAGCGATCCCTGCAGAGGCCCGGAGCCGCACTTTGCAGGGAGGAGCGCGGGG
 GACTGCGGCGATCTGAGTAACTCCTCCGGGTTCTCCGCAAGTTCGAGCACCACGGACCCCGCGACCA
 CCACAGCCGACGGCCGACGCCCAAACCCCGTACTCCTACATCGCGCTCATCACCATGGCCATCCT
 GCAGAGCCCGACAAGCGCCTGACGCTCAGCGGTATCTGCGCCTTCATCAGCGCCGCTTCCCCTATTAC
 CGCCGTAAGTTCCCGCCTGGCAGAACAGCATCCGCCACAACCTGTCGCTCAACGACTGCTTCGTAAGA
 TCCCTCGCGAGCCGGGCCACCCGGCAAGGGCAACTATTGGAGCCTGGACCCCGCCTCCCAGGACATGTT
 CGACAACGGCAGTTCTCCGGCGCAGGAAGCGTTCAAGCGCCACCACCCGCCCTCGGGAGGCCACCCG
 CACTGCCCTTTCCCTCCACCCGCTGTGCCCGCCACCCTGCACGTCTCCAGCCAGCCTCCTGCTCCGCT
 ACTCTGCCCCACCACAGCCTAACCTCGCAGCTCATCCCGCTGCCCGCCTCGGAGTACCCGTGCGCCCC
 GCTGCATCCGCATCCCATGCGCTACCTGCTGCTCGCGGCCCGGCCTATGGCGACAACCTAGAAAAGCG
 GAAGGCGCGGACCCCGCCACCCCTTAGCCATTCGCGCTGCAGCCGTAAGGTTCCAGCCTTGGG
 AGAGAGACCAGAGCTCTGGAACCTCGTCCGACGCGGGTGCCTTCGTTACCATCGAGAGCATCATGCA
 GGGGTTACAGGAGGAGGAAGTGGTCTGCGCAGAGTCCGTCCTTTGCTCCGTGGAGCTACTGCCACCTG
 CTGCAACATCCACCGTCCCTGCTGCACCCCGAGCCGCTTCCCCTTTGTTTACATGTCCGACGGTCCC
 GGACAATATTGCCTCAGCAGCCGCAACCCCGCTGCCGCTGCAGCAAGAACAGCATCACTGTGCCATTAG
 CTGCGCTCCCGGTAAGGCGTGCAGTTAGGCCAGCACCTGTCCGCCGTTGCGGCGCTGCTGAGGCAACAG
 CCTGCAGCTGACGACGGTAGGCTGACAACCCTGGCCGCTCTTTCGGGCCGAGAGGGGACCTTGCCCGAAT
 TT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217136 protein sequence
 Red=Cloning site Green=Tags(s)

MNSARAGHLRSTPPPSPLSSDQDEVEIDVLAEEEDGDQTEEDDEEESHKCLERSLQRPARTLAGRSAG
 DCGDLSNSSGFLRKFRAPRTPATTTADGPQPAKPPYSYIALITMAILQSPHKRLTLGICAFISGRFPYY
 RRFKPAWQNSIRHNLNLNDCFVKIPREPGHPGKGNYSWLDPASQDMFNGSFLRRRKRFRHHPPSSGGHP
 HCPFPFPAVPATLHVSPQLSLLRYSAPPQPNLAHHPAAPPSSHPCAPLHPHPMRYLLLAAPAYGDNPRKA
 EGADPATPLAIPALQPVLGSQPWERDQSSGTRSGRCASFIESIMQGVGGGTGSAQSPSFAPWSYCHL
 LQHPPCLLHPQAASPLFHMSAGSRTILPQQPQPPLPLQQEQHCAISCAPGKGVRLGQHLSAVAALLRQQ
 PAADDGRLTTLAALSGREGTLPEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



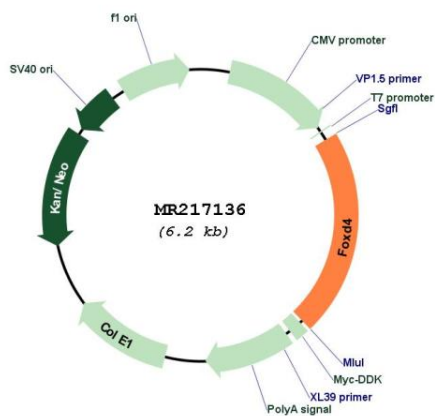
* The last codon before the Stop codon of the ORF

- ACCN:** NM_008022
- ORF Size:** 1335 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_008022.3](#)
- RefSeq Size:** 2345 bp
- RefSeq ORF:** 1335 bp
- Locus ID:** 14237
- UniProt ID:** [Q60688](#)

Cytogenetics: 19 19.86 cM

MW: 48 kDa

Product images:



Circular map for MR217136