

Product datasheet for **MG217136**

Foxd4 (NM_008022) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxd4 (NM_008022) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Foxd4
Synonyms:	Fkh2; FREAC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217136 representing NM_008022
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACTCAGCAAGAGCTGGGCACCTTCGTTCCACTCCACGCCAGTCCTCTAAGTTCGACCAGGATG
 AGGTGGAGATCGACGTGCTGGCAGAGGAGGAAGATGGAGATCAGACGGAAGAAGAGGATGACGAGGAGGA
 GAGCCATAAGTGCCTGGAGCGATCCCTGCAGAGGCCCGGAGCCCGCACTTTGCAGGGAGGAGCGCGGGG
 GACTGCGGCGATCTGAGTAACTCCTCCGGGTTCTCCGCAAGTTCGAGCACCACGGACCCCGCGACCA
 CCACAGCCGACGGCCGACGCCCAAACCCCGTACTCCTACATCGCGCTCATCACCATGGCCATCCT
 GCAGAGCCCGACAAGCGCCTGACGCTCAGCGGTATCTGCGCCTTCATCAGCGGCCGCTTCCCCTATTAC
 CGCCGTAAGTTCCCGCCTGGCAGAACAGCATCCGCCACAACCTGTCGCTCAACGACTGCTTCGTAAGA
 TCCCTCGCGAGCCGGGCCACCCGGCAAGGGCAACTATTGGAGCCTGGACCCCGCCTCCCAGGACATGTT
 CGACAACGGCAGTTCTCCGGCGCAGGAAGCGCTTCAAGCGCCACCACCCGCCCTCGGGAGGCCACCCG
 CACTGCCCTTTCCCTCCACCCGCTGTGCCGCCACCCTGCACGTCTCCAGCCAGCCTCCTGCTCCGCT
 ACTCTGCCCCACCACAGCCTAACCTCGCAGCTCATCCCGCTGCCCGCCTCGGAGTACCCGTGCGCCCC
 GCTGCATCCGCATCCCATGCGCTACCTGCTGCTCGCGGCCCGGCCTATGGCGACAACCCTAGAAAAGCG
 GAAGGCGCGGACCCCGCCACCCCTTAGCCATTCCCGCGCTGCAGCCCGTACTGGGTTCCAGCCTTGGG
 AGAGAGACCAGAGCTCTGGAACCTCGTCCGACGCGGGTGCCTTCGTTACCATCGAGAGCATCATGCA
 GGGGGTTACAGGAGGAGGAAGTGGTCTGCGCAGAGTCCGTCCTTTGCTCCGTGGAGCTACTGCCACCTG
 CTGCAACATCCACCGTCCCTGCTGCACCCCGAGCCGCTTCCCCTTTGTTTACATGTCGCGAGGTTCCC
 GGACAATATTGCCTCAGCAGCCGCAACCCCGCTGCCGCTGCAGCAAGAACAGCATCACTGTGCCATTAG
 CTGCGCTCCCGGTAAAGGCGTGCAGTTAGGCCAGCACCTGTCCGCCGTTGCGGCGCTGCTGAGGCAACAG
 CCTGCAGCTGACGACGGTAGGCTGACAACCCTGGCCGCTCTTTCGGGCCGAGAGGGGACCTTGCCCGAAT
 TT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217136 representing NM_008022
 Red=Cloning site Green=Tags(s)

MNSARAGHLRSTPPPSPLSSDQDEVEIDVLAEEEDGDQTEEDDEEESHKCLERSLQRPGARTLAGRSAG
 DCGDLSNSSGFLRKFRAPRTPATTTADGPQPAKPPYSYIALITMAILQSPHKRLTLSGICAFISGRFPYY
 RRRKFPWQNSIRHNLNLNDCFVKIPREP GHPGKGYWLDPASQDMFDNGSFLRRRKRFRHHPPSSGGHP
 HCFPPPPAVPATLHVSQPSLLRLRY SAPPQPNLAHHPAAPP RSHPCAPLHPHPMRYLLLAAPAYGDNPRKA
 EGADPATPLAIPALQPVLGSQPWERDQSSGTRSGRCASF TIESIMQGV TGGGTGSAQSPSFAPWSYCHL
 LQHPPCLLHPQAASPLFHMSAGSRTILPQQPQPPLPLQEQHHCAI SCAPGKGVRLGQHL SAVAALLRQQ
 PAADDGRLTTLAALSGREGTLPEF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<u>NM_008022.3</u>
RefSeq Size:	2345 bp
RefSeq ORF:	1335 bp
Locus ID:	14237
UniProt ID:	<u>Q60688</u>
Cytogenetics:	19 19.86 cM