

Product datasheet for **MR227296**

Foxg1 (NM_008241) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxg1 (NM_008241) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxg1
Synonyms:	2900064B05Rik; BF-1; Bf1; Hfh9; Hfhbf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227296 representing NM_008241
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGACATGGGAGATAGGAAAGAGGTGAAAATGATTCCTCAAGTCCTCGTTCCAGCATCAACAGCCTGG
 TCCCCGAGGCCGTCCAGAACGACAACCACCACGCGAGCCACGGCCACCACAACAGCCACCACCCAGCA
 TCACCATCATCATCACCACCACCACCACCCGCCGCCGCCCGCCGAGCCCTCCACCGCCGCCAG
 CAGCAGCAGCAGCAGCCGCCCGCCGCGAGCCCGCAGGCGCGCGGCCAGCAGCCGACGACG
 ACAAGGTCCCCAGCCGCTCCTGCTCCCGCCCTCCACCGCCCTGGACGGGGCCAAGGCTGACGCACTTGG
 AGCCAAAGGCGAGCCGGGCGGGCCGGCGGAGCTGGCGCCGTGCGGCCGACGAGAAGGAGAAGGGC
 GCGGGCGCCGGGGGAGGAGAAGAAAGGGGCGGGCGAGGGCGCAAGGACGGGGAGGGGGCAAGGAGG
 GCGACAAGAAGAACGGCAAGTACGAGAAGCCCGCTTACGCTACAACGCGCTCATCATGATGGCCATCAG
 GCAGAGTCCCAGAACGCGCTGACGCTCAATGGCATCTATGAGTTCATCATGAAGAACTCCCTACTAC
 CCGGAGAACAGCAGGGCTGGCAGAACTCCATCCGCCACAACCTGTCCCTCAACAAGTGCTTCGTGAAGG
 TACCGCGCCACTACGACGACCCGGCAAGGGCAACTACTGGATGCTCGACCCGTCGAGCGACGACGTGT
 CATCGGGCAGCAGCCGCAAGCTGCGGCGCCGCTCCACCACGTCTCGGGCAAGCTGGCCTTAAAGCGC
 GGGGCGCCCTCACCTCCACCGGCTCACCTTCATGGACCGCGCCGGCTCCCTCTACTGGCCATGTCGC
 CCTTCTGTCCCTGCACCACCCCGCGCCAGCAGCACTTTGAGTTACAACGGGACCACGTCGGCCTACCC
 CAGCCACCCATGCCCTACAGCTCCGTGTTGACTCAAACTCGTGGGCAACAACCACTCCTTCTCCACC
 GCCAACGGGCTGAGTGTGACCGGCTGGTCAACGGGAGATCCCGTACGCCACGCACCACCTCACGGCCG
 CTCGCTCGCCGCTCGGTGCCCTGCGGCTGTGCGTCCGCTGCTCCGGGACTACTCCCTCAACCCCTG
 CTCGTC AACCTGCTCGGGGCCAGACCAGTTACTTTTTCCCCACGTCCCGCACCCGTC AATGACTTCG
 CAGACCAGCAGTCCATGAGCGCCGGCCGCGTCTCTCTACGTCGCCGCAGGCCCCCTCGACCTGC
 CCTGTGAGTCTTTAAGACCCTCTTTGCCAAGTTTTACGACAGGACTGTCCGGGGACTGTCTGATTATTT
 CACACATCAAAATCAGGGGTCTTCTTCAACCCTTAAATACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227296 representing NM_008241
 Red=Cloning site Green=Tags(s)

MLDMGDRKEVKMIPKSSFSINSLVPEAVQNDNHHASHGHHNSHHPQHSHHHHHHHHHPPPPAPQPPPPPPQ
 QQQQQPPPPAPQPPQARGAPAADDDKGPQLLLPPSTALDGAKADALGAKGEPGGGPAELAPVGPDEKEKG
 AGAGGEEKKGAGEGGKDGEGGKEDKNGKYKPPFSYNALIMMAIRQSPEKRLTLNGIYEFIMKNFPYY
 RENKQGWQNSIRHNLNLNCFVKVPRHYDDPGKGNWMLDPSSDDVF IGGTTGKLRRTSRKLAFAKFR
 GARLTSTGLTFMDRAGSLYWPMSFPLSLHHPRASSTLSYNGTTSAYPSHPMPYSSVLTQNSLGNHFSFST
 ANGLSVDRLVNGEIPYATHHLTAAALAASVPCGLSVPCSGTYSLNPCSVNLLAGQTSYFFPHVPHPSMSTS
 QTSTSMSARAASSTSPQAPSTLPCESLRPSLPSFTTGLSGGLSDYFTHQNQGSSSNPLIH

TRTRPLEQK**L**I**SEEDLA**NDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_008241

ORF Size: 1443 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

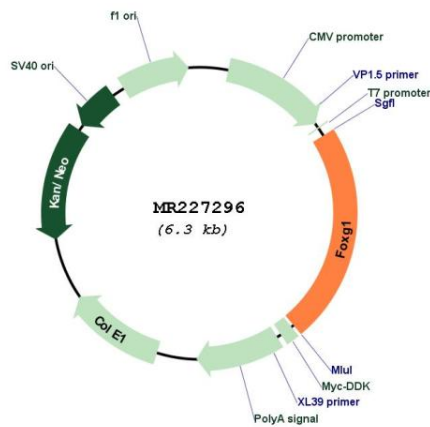
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_008241.2, NP_032267.1](#)
RefSeq Size: 2948 bp
RefSeq ORF: 1446 bp
Locus ID: 15228
UniProt ID: [Q60987](#)
Cytogenetics: 12 21.78 cM
MW: 52.1 kDa

Gene Summary: Transcription repression factor which plays an important role in the establishment of the regional subdivision of the developing brain and in the development of the telencephalon. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227296