

Product datasheet for **MG227296**

Foxg1 (NM_008241) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxg1 (NM_008241) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Foxg1
Synonyms:	2900064B05Rik; BF-1; Bf1; Hfh9; Hfhbf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG227296 representing NM_008241
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGACATGGGAGATAGGAAAGAGGTGAAAATGATTCCTCAAGTCCTCGTTCCAGCATCAACAGCCTGG
 TCCCCGAGGCCGTCCAGAACGACAACCACCACGCGAGCCACGGCCACCACAACAGCCACCACCCCCAGCA
 TCACCATCATCATCACCACCACCACCACCCGCCGCCGCCCGCCGCCCCAGCCGCTCCACCGCCGCCAG
 CAGCAGCAGCAGCAGCCGCCCGCCCGCAGCCCGCAGGCGCGCGGCCAGCAGCCGACGACG
 ACAAGGGTCCCCAGCCGCTCCTGCTCCCGCCCTCCACCGCCCTGGACGGGGCCAAGGCTGACGCACTTGG
 AGCCAAAGGCGAGCCGGGCGGGCCGGCGGAGCTGGCGCCCGTCCGGCCGGACGAGAAGGAGAAGGGC
 GCGGGCGCCGGGGGAGGAGAAGAAAGGGGCGGGCGAGGGCGCAAGGACGGGGAGGGGGCAAGGAGG
 GCGACAAGAAGAACGGCAAGTACGAGAAGCCGCGTTCAGCTACAACGCGCTCATCATGATGGCCATCAG
 GCAGAGTCCCAGAACGCGCTGACGCTCAATGGCATCTATGAGTTCATCATGAAGAACTCCCTACTAC
 CGCGAGAACAAGCAGGGCTGGCAGAAGTCCATCCGCCACAACCTGTCCCTCAACAAGTGCTTCGTGAAGG
 TACCGCGCCACTACGACGACCCGGGCAAGGGCAACTACTGGATGCTCGACCCGTCGAGCGACGACGTGT
 CATCGGGCCACGACCGCAAGCTGCGGCGCCGCTCCACCACGTCTCGGGCCAAGCTGGCCTTTAAGCGC
 GGGGCGCGCCTCACCTCCACCGGCTCACCTTCATGGACCGCGCCGGCTCCCTCTACTGGCCATGTCGC
 CCTTCTGTCCCTGCACCACCCCGCGCCAGCAGCACTTTGAGTTACAACGGGACCACGTCCGGCCTACCC
 CAGCCACCCATGCCCTACAGCTCCGTGTTGACTCAAACTCGTGGGCAACAACCACTCCTTCTCCACC
 GCCAACGGGCTGAGTGTGACCGGCTGGTCAACGGGGAGATCCCGTACGCCACGCACCACCTCACGGCCG
 CTGCGCTCGCCGCTCGGTGCCCTGCGGCTGTCCGTGCCCTGCTCCGGGACCTACTCCCTCAACCCCTG
 CTCGCTCAACCTGCTCGGGGCCAGACCAGTTACTTTTTCCCGCCAGTCCCGCACCCGTCATGACTTCG
 CAGACCAGCAGTCCATGAGCGCCGGCCGCGTCTCCTCTACGTCCCGCAGGCCCCCTCGACCTCGC
 CCTGTGAGTCTTTAAGACCCTCTTTGCCAAGTTTTACGACAGGACTGTCCGGGGACTGTCTGATTATTT
 CACACATCAAAATCAGGGGTCTTCTTCAACCCTTTAATACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227296 representing NM_008241
 Red=Cloning site Green=Tags(s)

MLDMGDRKEVKMIPKSSFSINSLVPEAVQNDNHASHGHHNSHHPQHSHHHHHHHHHPPPPAPQPPPPPPQ
 QQQQPPPPAPPPQARGAPAADDDKGPQLLLPPSTALDGAKADALGAKGEPGGGPAELAPVGPDEKEKG
 AGAGGEEKKGAGEGGKDEGGKEGDKKNGKYKPPFSYNALIMMAIRQSPEKRLTLNGIYEFIMKNFPYY
 RENKQGWQNSIRHNLNLNCFVKVPRHYDDPGKGNWMLDPSSDDVFIGGTTGKLRRTTSRAKLAFKR
 GARLTSTGLTFMDRAGSLYWPMSPLSLHHPRASSTLSYNGTTSAYPSHPMPYSSVLTQNSLGNHFSFST
 ANGLSVDRLVNGEIPYATHHLTAAALAASVPCGLSVPCSGTYSLNPCSVNLLAGQTSYFFPHVPHPSMST
 QTSTMSARAASSTSPQAPSTLPCESLRPSLPSFTTGLSGGLSDYFTHQNQGSSSNPLIH

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<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:	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
Gene Summary:	<p>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]</p>