

## Product datasheet for **MG226011**

### **Foxf2 (NM\_010225) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxf2 (NM_010225) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Foxf2
Synonyms:	Fkh20; FREAC2; LUN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG226011 representing NM\_010225  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGACCGAGGGCGGCCTCCGCCACCCCGCCGCGCCGCGCCCTGCCCACTCCGCCGCGCGTGCA  
 GCCCGGCCCGCGCGCTCCAGGCCGCTTGATGAGCCCGCACCCCGCCACCTGGAGTCCACTTC  
 GTCGTCGTCATCATCATCCTCTGCCTCCTGTGCCTCGTCTCTTCTAACTCCGTCAGCGCCTCGGCCGT  
 GCTTGCAAGAGTGCAGTACGAGCGCGCGCGGGGAGTGGAGGCACCAAGAAGGCAACCTCGG  
 GGCTGCGCGGCCGAGAAGCCTCCTTACTCGTACATCGCGCTCATCGTCATGGCCATCCAGAGCTCGC  
 CAGCAAGCGCCTGACGCTCAGTGAGATCTACCAGTTCTACAGCGCGCTTCCCTTTTTCCGTGGCGCC  
 TACCAGGGCTGGAAGAACTCCGTGCGCCACAACCTCTCGTCAACGAGTGCTTCATCAAGCTGCCAAGG  
 GCCTCGGGAGACCTGGTAAAGGGCCACTACTGGACCATCGACCCGCCAGGAATTCATGTTTGAGGAGGG  
 TTCGTTCCGCGCGGCCGCGCGCTTCAGGCGGAAGTCCAGGCTCTCAAACCCATGTACCATCGCGTG  
 GTGAGCGGCTTGGGCTTCGGGGCCTCGCTGCTGCCCCAGGGCTTCGACTTCCAAGCGCCCCCGTCCGCGC  
 CTCTGGGTTGCCACGGTCAAGGCGGTTATGGTGGCCTCGACATGATGCCCGGGCTATGATACAGGGGC  
 GGGTGTCCGGGCCACGCGCATCCACACCCTCCACCACCACCGTCCCCACATGTCGCCCAACCCG  
 GGCTCCACCTATATGGCCAGTGCCTGGTCCCGCAGGCTCCTGCGGGCGTCCGGTGCAGCGCGGGTGGCG  
 GCGGTGGCGCGGGGACTATGGGCCGACAGCAGCAGCAGCCCTGTGCCCTCATCCCCGGCTATGGCAAG  
 CGCCATTGAGTGTCACTGCCCTACACTAGCCCTGCGGCACATTGGAGCTCGCTGGCGCTTACCTTAC  
 CTC AAGCAGCCGCTGCCCTGACGCCAAGCAGTAATCCCGCGGCTCTGCTGGTCTGCACCCAGCATGT  
 CTTCTACTCGTTGGAGCAGACTACTTGACCCAGAACGCCCGGAGGATCTCTCAGTCGGACTGCCCGG  
 TTACCAGCACCCTCCACTCCAGTGTGCGACAGGAAAGATTTTCGCTCAATTTCAATGGCATTCTTCT  
 TTCCACCCTCCGCTAGTGGCTCTTATTATCACCATCATCACCAGAGCGTGTGCCAAGATATTAAGCCCT  
 GTGTTATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG226011 representing NM\_010225  
 Red=Cloning site Green=Tags(s)

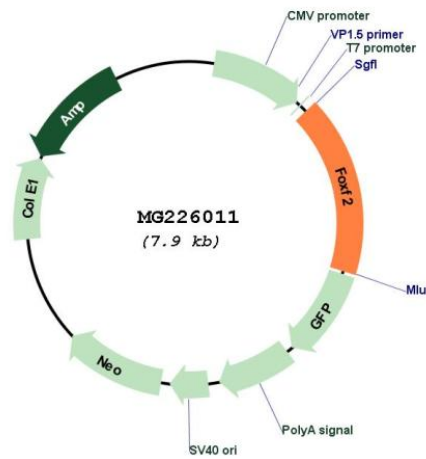
MSTEGPPPPPPRPPAPLRRACSPAGALQAALMSPPPAATLESTSSSSSSSSASCASSSSNSVSASAG  
 ACKSAASSGGAGAGSGGTTKATSGLRPEKPPYSYIALIVMAIQSSPSKRLTSEIYQFLQARFPFFRGA  
 YQGWKNSVRHNLSLNECFIKLPKGLGRPGKGHYWTIDPASEFMFEESFRRRPRGFRKQALKPMYHRV  
 VSGLGFGASLLPQGFDFQAPPSAPLGCHGQGGYGGDMMPAGYDTGAGAPGHAHPHHLHHHHVPHMSPNP  
 GSTYMASCPVPAGPAGVGAAGGGGGGDDYGPDSSSSPVPSSPAMASAIIECHSPYTPAAHWSSPGASPY  
 LKQPPALTPSSNPAASAGLHPSMSSYSLEQSYLHQNAREDL SVGLPRYQHHSTPVCDKDFVLFNFGISS  
 FHPSASGSYYHHHQSVQCQDIKPCVM

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_010225

ORF Size: 1338 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_010225.2</a></u> , <u><a href="#">NP_034355.2</a></u>
<b>RefSeq Size:</b>	2366 bp
<b>RefSeq ORF:</b>	1341 bp
<b>Locus ID:</b>	14238
<b>UniProt ID:</b>	<u><a href="#">O54743</a></u>
<b>Cytogenetics:</b>	13 A3.2
<b>Gene Summary:</b>	Probable transcription activator for a number of lung-specific genes (PubMed:9676429). Mediates up-regulation of the E3 ligase IRF2BPL and drives ubiquitination and degradation of CTNNB1 (By similarity).[UniProtKB/Swiss-Prot Function]