

## Product datasheet for **RR214466**

### **Foxj1 (NM\_053832) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxj1 (NM_053832) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxj1
Synonyms:	Hfh-4; Hfh4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR214466 representing NM\_053832  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGAGAGCTGGCTGCGCCTCTGCGGAGCGGGCCCGGGGAGGAGCCGGGCCGGAAGTGGCATGG  
 AGGAGCCGGACGCCCTGGATGACAGCCTGACCAGCTTGCAATGGCTGCAGGAATTCTCCATTCTCAACGC  
 CAAGGCCCCCACTCTTCCCCGGGAGGCACCGACCCCTTGCTACCACCAAGTACCGGGTTTGGTGGCG  
 CCCGGATCACCGCTGGCGGCAGACCCTGCCTGCCTTGGGCAGCCACACACACCCGGCAAGCCACATCGT  
 CGTGCACATCTGAAGCGCGCCCCAGGGCTGCAGGCCCGCCCTGACGACGTGGACTATGCCACCAA  
 CCCACATGTGAAGCCGCCCTACTCGTATGCCACTCTCATCTGCATGGCCATGCAAGCCAGCAAGGCCACC  
 AAGTCACTCTGTGGCCATCTACAAGTGGATCACGGACAACCTTCTGCTACTTCCGCCATGCTGACCCCA  
 CCTGGCAGAATTCATCCGCCACAACCTGCTTGAACAAGTGTTCATCAAAGTGCCTCGGAGAAGGA  
 TGAGCCCGCAAGGGGGCTTCTGGCGCATCGACCCCACTATGCAGAACGCCTGCTCAGTGGGGCCTTC  
 AAGAAGCGGAGGCTGCCCGCGTCCACATCCACCTGCCTTTGCCCGGCAGGCCCGCCAGGAACCCAGCA  
 CTGCCCTGGGGTGGGCTCTGACCGTGAACAGGGAGGCCAGCAGCTACTGCAGGAGTTTGGAGAGGC  
 CACAGGGGAGGGAGGCTGGGGCACAGGAGAGGGAAGGCTGGGGCATAAGCGAAAGCAGCCGCTGCCAAG  
 AGGGTGGCCAAGTCTGCGGCCCTCCAGCACCTTGTGCTGACCCAGGAGGAGCAGGGTGGAGTGGAAAC  
 CCCTCAAAGGTAACCTTGGACTGGGAGGCCATCTTCGAGGCTGGCGCACTGGGTGAGGAGCTGAGCTCACT  
 GGAGGGTCTGGAATAAGCCCCCGCTGAGCCCCAGCTCACACGGAGAGGTGGATCTCACAGTCCATGGC  
 CGCCACATCAACTGTCTGCTACCTGGGCCCTCCAGTGGAGCAGGCTACTGACAGCCTGGACTTTGATG  
 AGACCTTCTGGCCACGTCTTCTCCAGCATCCCTGGGACGAGAGTAGTAGCGTTGCCTGCCCCAGCA  
 ACCCTCTTTGAAGCAGGGGATGCCACCCTGGCCGCTGACCTGCAGGACTGGGCCAGTGTGGGAGCCTTC  
 TTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214466 representing NM\_053832  
 Red=Cloning site Green=Tags(s)

MAESWLRLCGAGPGEEAGPEGGMEEPDALDDSLTSLQWLQEFILNAKAPTLPPGGTDPLGYHQVPLVA  
 PGSPLAADPAQLGQPHTPGKPTSSCTSRAPPGLQAPPPDDVDYATNPHVKPPYSYATLICMAMQASKAT  
 KITLSAIYKWITDNFCYFRHADPTWQNSIRHNLNLKCFIKVPREKDEPGKGGFWRIDPQYAERLLSGAF  
 KKRRLPPVHIHPAFARQAAQEPSTAPWGGPLTVNREAQQLLQEFEEATGEGGWGTGEGRLGHRKQPLPK  
 RVAKVLPPSTLLLQEEQGELEPLKGNFDWEAIFEAGALGEELSSLELELSPPLSPSSHGEVDLTVHG  
 RHINCPATWGPPEQATDSLDFDETFLATSFLLQHPWDESSGCLPPEPLFEAGDATLAADLQDQWASVGF  
 L

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2578\\_e01.zip](https://cdn.origene.com/chromatograms/ja2578_e01.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**ACCN:** NM\_053832

**ORF Size:** 1263 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](mailto: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](#)

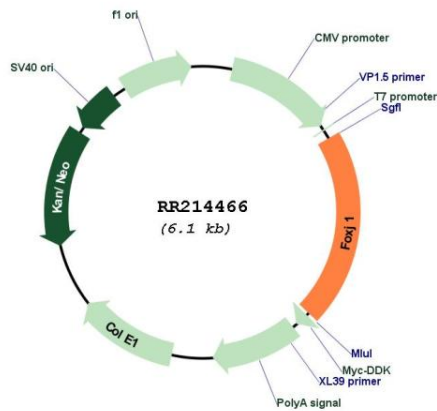
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_053832.1](#), [NP\\_446284.1](#)

RefSeq Size:	2391 bp
RefSeq ORF:	1266 bp
Locus ID:	116557
UniProt ID:	<a href="#">Q63247</a>
Cytogenetics:	10q32.1
MW:	46 kDa
Gene Summary:	putative transcription factor, may be involved in cell fate determination, lung development and/or spermatogenesis [RGD, Feb 2006]

**Product images:**


Circular map for RR214466