

## Product datasheet for **RR213250**

### **Foxg1 (NM\_012560) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxg1 (NM_012560) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxg1
Synonyms:	BF1A; Fkhl1; RATBF1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR213250 representing NM\_012560  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGGACATGGGAGATAGGAAAGAGGTGAAAATGATTCCTCAAGTCCTCGTTCCAGCATCAACAGCCTGG  
 TCCTGAGGCCGTCCAGAACGACAACCACCACGGAGCCACGGTACCACAACAGCCACCACCCAGCA  
 TACCATCATCATCAACCACCACCACCACCCGCCGCCGCCCGCCCTCAGCCGCCGCCACCGCCGCCAG  
 CAGCAGCAGCAGCCGCCCGGCCCGCAGCCCGCAGGCGCGCGGCCCCAGCAGCGGACGACGACA  
 AGGGCCCCAGCCGTTCTGCTCCCGCGTCCGCCGCCCTGGACGGGGCAAGGCTGACGCACTGGAGC  
 CAAAGGCGAGCCAGGCGCGGCCCTGCGGAGCTGGCGCCCGTCCGGCCGACGAGAAGGAGAAGGGCGG  
 GGCCTGGGGGGAGGAGAAGAAGGGGGCGGGCAGGGCGGCAAGGACGGGGAGGGGGCAAGGAGGGCG  
 ACAAGAAGAACGCAAGTACGAGAAGCCCGCTCAGCTACAACGCGCTCATCATGATGGCCATCAGGCA  
 GAGTCCCAGAGAAGCGCTGACGCTCAACGGCATCTACGAGTTCATCATGAAGAATTCCTTACTACCGC  
 GAGAACAAGCAGGGCTGGCAGAACTCCATCCGCCACAACCTGTCCCTCAACAAGTCTTCGTAAGGTAC  
 CGCGCCACTACGACGACCCGGGCAAGGGCAACTACTGGATGCTGGACCCGTCGAGCGACGACGTGTTTAT  
 CGGCGGCACGACCCGCAAGCTGCGGCGCCGCTCCACCACGTCTCGGGCAAGCTAGCCTTTAAGCGCGG  
 GCACGGCTCACCTCCACCGGCTCACCTTATGGACCGCGCCGGCTCCCTTACTGGCCATGTCGCCCT  
 TCCTGTCCCTGCACCACCTCGCGCCAGCAGCACTTTGAGTTACAACGGGACCAGTCGGCTACCCAG  
 CCACCCATGCCCTACAGCTCCGTGTTGACTCAAACCTCGCTGGGCAACAACCACTCCTTCTCCACCGCC  
 AACGGGTGAGCGTGACCGGCTGGTCAACGGGAGATCCCGTACGCCACGACCACTCAGGCCCGCTG  
 CGTCCGCCGCTCCGTGCCCTGCGGCTGTCGGTGCCCTGCTCCGGGACCTACTCCCTCAACCCCTG  
 CGTCAACCTGCTCGCGGGCCAGACCACTTACTTTTCCCCACGTCGCCGACCCGTCATGACTTCGCAG  
 ACCAGCACGTCCATGAGCGCCCGGGCCGCTCCTCTACGTCGCCGACGGCCCTCGACCTGCCCT  
 GTGAGTCTTTAAGACCTCTTTGCCAAGTTTTACGACAGGACTGTCCGGGGACTGTCTGATTATTTAC  
 ACATCAAATCAGGGGTCTTCTTCAACCTTTAATACAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213250 representing NM\_012560  
 Red=Cloning site Green=Tags(s)

MLDMGDRKEVKMIPKSSFSINSLVPEAVQNDNHASHGHNSHHPQHSHHHHHHHHHPPPPAPQPPPPPPQ  
 QQQQPPPPAPQPPQARGAPAADDDKGPQLLLPPSAALDGAKADALGAKGEPGGPAELAPVGPDEKEKGA  
 GAGGEEKKGAGEGGKDGEGGKEGDKKNGKYEKPPFSYNALIMMAIRQSPEKRLTLNGIYEFIMKNFPYYR  
 ENKQGWQNSIRHNSLNKCFVKVPRHYDDPGKGNWMLDPSSDDVFIGGTTGKLRRRSTTSRAKLAFKRG  
 ARLTSTGLTFMDRAGSLYWMPFSLHHPRASSTLSYNGTTSAYPSHPMPYSSVLTQNSLGNNSHFSSTA  
 NGLSVDRLVNGEIPYATHHLTAAALAASVPCGLSVPCSGTYSLNPCSVNLLAGQTSYFFPHVPHSPMSQS  
 TSTSMSARAASSSTSPQAPSTLPCESLRPSLPSFTTGLSGGLSDYFTHQNQSSSNPLIH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_012560

**ORF Size:** 1440 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.

**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\\_012560.2](#), [NP\\_036692.1](#)
**RefSeq Size:** 2811 bp

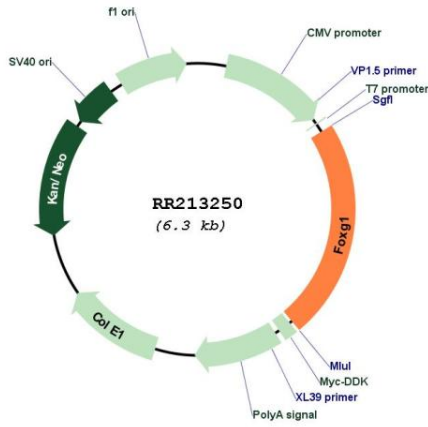
**RefSeq ORF:** 1443 bp

**Locus ID:** 24370

**UniProt ID:** [Q00939](#)

Cytogenetics: 6q22  
 MW: 51.5 kDa  
 Gene Summary: coordinates many cell survival mechanisms [RGD, Feb 2006]

**Product images:**



Circular map for RR213250