

## Product datasheet for **RC234692**

### **FOXP1 (NM\_001244808) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXP1 (NM_001244808) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXP1
Synonyms:	12CC4; hFKH1B; HSPC215; MFH; QRF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234692 representing NM\_001244808  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCAAGAATCTGGGACTGAGACAAAAAGTAAACGGTTCAGCCATCCAGAATGGGTGGGCGGCAGCA  
 ACCACTTACTAGAGTGCGGCGGTCTTCGGGAGGGGCGGTCCAACGGAGAGACGCCGGCGTGGACATCGG  
 GGAGCTGACCTCGCCACGCCAGCAGCAGCAACAGGCACTTCAGGTGGCAAGACAGCTCCTTCTT  
 CAGCAGCAACAGCAGCAGCAAGTTAGTGGATTAATCTCCCAAGAGGAATGACAAAACAACAGCTCTTC  
 AGGTTCCCGTGTGAGTGGCTATGATGACACCTCAAGTTTCACTCCCAAGCAATGCAGCAGATCTCCA  
 GCAACAAGTGCTGAGCCCTCAGCAGCTCCAGGTTCTCTCCAGCAGCAGCAGGCCCTCATGCTTCAACAG  
 CAGCAGCTTCAAGAGTTTATAAAAAACAACAGGAACAGTTGCAGCTTCAACTTTTACAACAACAACATG  
 CTGAAAAACAGCCTAAAGAGCAACAGCAGGTGGCTACCCAGCAGTTGGCTTTTCAGCAGCAGCTTTTACA  
 GATGCAGCAGTTACAGCAGCAGCACCTCTGTCTTTCAGCAGCAGCAAGGCCTTCTGACAATTCAGCCCGGG  
 CAGCCTGCCCTTCCCTTCAACCTTGTCTCAAGGCATGATTCCAACAGAACTGCAGCAGCTCTGGAAAG  
 AAGTGACAAGTGCTCATACTGCAGAAGAAACCACAGGCAACAATCACAGCAGTTTGGATCTGACCACGAC  
 ATGTGTCTCCTCTCTGCACCTTCAAGACCTCTTAATAATGAACCCACATGCCTTACCAATGGACAG  
 CTCTCAGTCCACACTCCAAAAGGGAAAGTTTGTCCCATGAGGAGCACCCCATAGCCATCTCTCTATG  
 GACATGGTGTATGCAAGTGGCCAGGCTGTGAAGCAGTGTGCGAAGATTTCCAATCATTTCTAAAACATCT  
 CAACAGTGAGCATGCGCTGGACGATAGAAGTACAGCCCAATGTAGAGTACAAATGCAGGTTGTACAGCAG  
 TTAGAGCTACAGCTTGCAAAAGACAAAGAACGCCTGCAAGCCATGATGACCCACCTGCATGTGAAGTCTA  
 CAGAACCCAAAGCCGCCCTCAGCCCTTGAATCTGGTATCAAGTGTCACTCTCTCAAGTCCGCATCGGA  
 GGCTTCTCCACAGAGCTTACCTCATACTCCAACGACCCCAACCGCCCCCTGACTCCCGTACCCCAAGGC  
 CCTCTGTCAACAACCACAGCATGCACAGGTGGGACCCATCCGCAGGCGGTACTCAGACAAATACA  
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 TACATATGCATCTTTAATTAGGCAGGCCATTCTCGAATCTCCAGAAAAGCAGCTAACACTAAATGAGATC  
 TATAACTGGTTCACACGAATGTTTGTACTTCCGACGCAACGCGGCCACGTGGAAGAATGCAGTGCCTC  
 ATAATCTTAGTCTTCAAGTGTGTTGTGCGAGTAGAAAACGTTAAAGGGCAGTATGGACAGTGGATGA  
 AGTAGAATTCAAAACGAAGGCCACAAAAGATCAGTGGTAACCTTCCCTTATTAACATGCAGAGC  
 AGCCACGCTACTGCACACCTCTCAATGCAGCTTTACAGGCTTCAATGGCTGAGAATAGTATACCTCTAT  
 AACTACCGCTTCCATGGGAAATCCCACTCTGGGCAACTTAGCCAGCGCAATACGGGAAGAGCTGAACGG  
 GGCAATGGAGCATACCAACAGCAACGAGAGTGACAGCAGTCCAGGAGATCTCCTATGCAAGCCGTGCAT  
 CCTGTACAGCTCAAGAAGAGCCCTCGATCCAGAGGAAGCTGAAGGGCCCTGTCTTAGTGACAACAG  
 CCAACCACAGTCCAGATTTGACCATGACAGAGATTACGAAGTGAACCAGTAAACGAGGACATGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234692 representing NM\_001244808  
Red=Cloning site Green=Tags(s)

```
MMQESGTETKSNQSAIQNGSGGSNHLLECGGLREGRSNGETPAVDIGAADLAHAQQQQQQALQVARQLL
QQQQQQVVSGLKSPKRNQKQPALQVPVSVAMTPQVITPQQMQQILQQQVLSQQQLQVLLQQQQALMLQQ
QQLEQEFYKKQQEQQLQLQLLQQQHAGKQPKQQQVATQQQLAFQQQLLQMQQLQQQHLLSLQRQGLLTIQPG
QPALPLQPLAQGMIPTELQQLWKEVTSHTAEETTGNHSSLDLTTTCVSSSAPSKTSLIMPHASTNGQ
LSVHTPKRESLSHEEHPHSHPLYGHGVCKWPGCEAVCEDFQSFLKHLNSEHALDDRSTAQCVRVQMQRVQQ
LELQLAKDKERLQAMMTHLHVKSTEPKAAQPLNLYSSVTLSSKASEASQSLPHTPTTPTAPLTPVTQG
PSVITTTSMHTVGPIRRYSYDKYNVPISSDIAQNQEFYKNAEVRPFTYASLIRQAILESPEKQLTLNEI
YNWFTRMFAYFRRNAATWKNVHRHNLHLKCFVRVENVKGAVWTVDEVEFQKRRPQKISGNPSLIKNNMQS
SHAYCTPLNAALQASMAENSIPLYTTASMGNPTLGNLASAIREELNGAMEHTNSNESDSSPGRSPMQAVH
PVHVKEEPLDPEEAEGPLSLVTTANHSPDFDHRDRYEDEPVNEDME
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001244808

**ORF Size:** 2028 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\\_001244808.3](#)

**RefSeq Size:** 7202 bp

**RefSeq ORF:** 2031 bp

**Locus ID:** 27086

**UniProt ID:** [Q9H334](#)

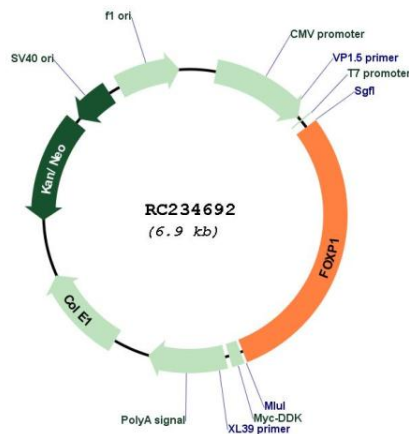
**Cytogenetics:** 3p13

**Protein Families:** Transcription Factors

**MW:** 75.7 kDa

**Gene Summary:** This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood. Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC234692