

## Product datasheet for **RC234703**

### **FOXP1 (NM\_001244815) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXP1 (NM_001244815) 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:

>RC234703 representing NM\_001244815  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTCCAGTGTGTTTTCTCTTCGAGTGTGCTTACGCCGACAGTACTTCTGTTTTATTCAAACATCTTT  
TTTACCCTCGGCAACCCCGCTTCGCAGAAACAGCCAGAACCCTACTACAGCAAGAAGACGGAAATCCA  
AAGGCAGACAGTACGGGCTCCCTTCGCCAACTCTTCATTTTCTCTGCACCTTCAGGTGGCAAGACAGCTC  
CTTCTTCAGCAGCAACAGCAGCAGCAAGTTAGTGGATTAATACTCCCAAGAGGAATGACAAACAACCAG  
CTCTTCAGGTTCCCGTGTGAGTGGCTATGATGACACCTCAAGTTACTCTCCAGCAAAATGCAGCAGAT  
CCTCCAGCAACAAGTGTGAGCCCTCAGCAGCTCCAGTTCTCCTCCAGCAGCAGCAGGCCCTCATGCTT  
CAACAGCAGCAGCTTCAAGATTTTATAAAAAACAACAGGAACAGTTGCAGCTTCAACTTTTACAACAAC  
AACATGCTGAAAAACAGCCTAAAGAGCAACAGCAGGTGGTACCCAGCAGTTGGCTTTTCAGCAGCAGCT  
TTTACAGATGCAGCAGTTACAGCAGCAGCAGCTCTGTCTTTGCAGCGCCAAGGCCTTCTGACAATTCAG  
CCGGGGCAGCCTGCCCTTCCCTTCAACCTCTTGCTCAAGGCATGATTCCAACAGAACTGCAGCAGCTCT  
GGAAAGAAGTGACAAGTGTCTACTGCAGAAGAAACCACAGGCAACAATCACAGCAGTTTGGATCTGAC  
CACGACATGTGTCTCCTCTGACCTTCCAAGACCTCCTAATAATGAACCCACATGCCTCTACCAAT  
GGCAGCTCTCAGTCCACACTCCAAAAGGGAAAGTTTGTCCCATGAGGAGCACCCCATAGCCATCCTC  
TCTATGGACATGGTGTATGCAAGTGGCCAGGCTGTGAAGCAGTGTGCGAAGATTTCCAATCATTTCTAAA  
ACATCTCAACAGTGAAGTACGCTGGACGATAGAAGTACAGCCCAATGTAGAGTACAAATGCAGGTTGTA  
CAGCAGTTAGAGCTACAGCTTGCAAAAGACAAAGAACGCTGCAAGCCATGATGACCCACCTGCATGTGA  
AGTCTACAGAACCCTAAAGCCGCCCTCAGCCCTTGAATCTGGTATCAAGTGTCACTCTCTCAAGTCCGC  
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AATACAACGTGCCATTTTCGTCAGCAGATATTGCGCAGAACCAAGAATTTTATAAGAACGCAGAAGTTAG  
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CAGTGCCTCATAATCTTAGTCTTACAAGTGTGTTGTCGAGTAGAAAACGTTAAAGGGCAGTATGGAC  
AGTGGATGAAGTAGAATCCAAAACGAAGGCCACAAAAGATCAGTGGTAACCTTCCCTTATTAATAAAC  
ATGCAGAGCAGCCACGCCTACTGCACACCTCTCAATGCAGCTTTACAGGCTTCAATGGCTGAGAATAGTA  
TACCTCTATACACTACCGCTTCCATGGGAAATCCCACTCTGGGCAACTTAGCCAGCGCAATACGGGAAGA  
GCTGAACGGGCAATGGAGCATACCAACAGCAACGAGAGTGACAGCAGTCCAGGCAGATCTCCTATGCAA  
GCCGTGCATCCTGTACACGTCAAAGAAGAGCCCTCGATCCAGAGGAAGCTGAAGGGCCCTGTCCTTAG  
TGACAACAGCCAACCACAGTCCAGATTTTGACCATGACAGAGATTACGAAGATGAACCAGTAAACGAGGA  
CATGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234703 representing NM\_001244815  
Red=Cloning site Green=Tags(s)

```

MFQCVFSSSVLQPHSTSCLFKHLFYHSATPASQKQPEPIYSKKTEIQRQTVRAPFAKLFIFSALQVARQL
LLQQQQQQVSGLKSPKRNDKQPALQVPVSVAMMTPQVI TPQQMQQILQQQVLSPPQLQVLLQQQALML
QQQQQLQEFYKKQQEQLQLQLLQQQHAGKQPKQEQVATQQLAFQQQLLQMQLQQQHLLSLQRQGLLTIQ
PGQPALPLQPLAQGMIPTELQQLWKEVTSAPHTAEETTGNHSSLDLTTTCVSSSAPSKTSLIMPHASTN
GQLSVHTPKRESLSHEEHPHSHPLYGHGVCKWPGCEAVCEDFQSFLKHLNSEHALDDRSTAQCRVMQVV
QQLELQLAKDKERLQAMMTHLHVKSTEPKAAQPQLNLSVSVTLKKSASEASPQSLPHTPTPTAPLTPVT
QGSPVITTTSMHTVGPIRRYSKYNVPISSADIAQNQEFYKNAEVRPPFTYASLIRQAILESPEKQLTL
NEIYNWFTRMFAYFRRNAATWKNVVRHNL SLHKCFVRVENVKGAVWTVDEVEFQKRRPQKISGNPSLIK
MQSSHAYCTPLNAALQASMAENSIPLYTTASMGNPTLGNLASAIREELNGAMEHTNSNESDSSPGRSPMQ
AVHPVHVKKEPLDPEEAEGPLSLVTTANHSPDFDHDRDYEDPEVNEDEME
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001244815

**ORF Size:** 2037 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\\_001244815.1](#), [NP\\_001231744.1](#)

**RefSeq Size:** 6840 bp

**RefSeq ORF:** 1734 bp

**Locus ID:** 27086

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

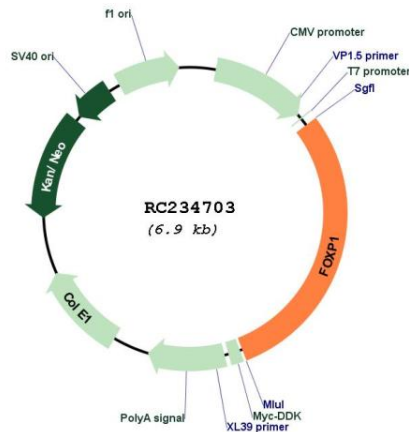
**Cytogenetics:** 3p13

**Protein Families:** Transcription Factors

**MW:** 76.8 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 RC234703