

## Product datasheet for **RC234475**

### **FOXP1 (NM\_001244813) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXP1 (NM_001244813) 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:**

>RC234475 representing NM\_001244813  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGACACCTCAAGTTATCACTCCCCAGCAAATGCAGCAGATCCTCCAGCAACAAGTGTGAGCCCTC  
 AGCAGCTCCAGGTTCTCCTCCAGCAGCAGCAGGCCCTCATGCTTCAACAGCAGCAGCTTCAAGAGTTTTA  
 TAAAAACAACAGGAACAGTTGCAAGCTTCAACTTTTACAACAACAACATGCTGAAAAACAGCCTAAAGAG  
 CAACAGCAGGTGGCTACCCAGCAGTTGGCTTTTACAGCAGCAGCTTTTACAGATGCAGCAGTTACAGCAGC  
 AGCACCTCCTGTCTTTCAGCGCCAAGGCCCTTCTGACAATTCAGCCCGGGCAGCCTGCCCTTCCCCTTCA  
 ACCTCTTGCTCAAGGCATGATTCCAACAGAAGTGCAGCAGCTCTGGAAAGAAGTACAAGTGTCTACTACT  
 GCAGAAGAAACCACAGGCAACAATCACAGCAGTTTGGATCTGACCAGCAGATGTGTCTCCTCCTCTGCAC  
 CTTCCAAGACCTCCTTAATAATGAACCCACATGCCTCTACCAATGGACAGCTCTCAGTCCACACTCCCAA  
 AAGGGAAAGTTTGTCCCATGAGGAGCACCCCATAGCCATCCTCTCTATGGACATGGTGTATGCAAGTGG  
 CAGGCTGTGAAGCAGTGTGCGAAGATTTCCAATCATTTCTAAAACATCTCAACAGTGGAGATGCGCTGG  
 ACGATAGAAGTACAGCCAATGTAGAGTACAAATGCAGGTTGTACAGCAGTTAGAGCTACAGCTTGCAAA  
 AGACAAAGAAGCCTGCAAGCCATGATGACCCACCTGCATGTGAAGTCTACAGAACCCAAAGCCGCCCT  
 CAGCCCTTGAATCTGGTATCAAGTGTCACTCTCTCAAGTCCGCATCGGAGGCTTCTCCACAGAGCTTAC  
 CTCATACTCCAACGACCCCAACCGCCCCCTGACTCCCGTCAACCAAGGCCCTCTGTATCACAAACCAC  
 CAGCATGCACACGGTGGGACCCATCCGCAGGCGGTAAGTACTCAGACAAATACAACGTGCCATTTTCGTACGA  
 GATATTGCGCAGAACAAGAATTTATAAGAACGCAGAAGTTAGACCACCATTTACATATGCATCTTTAA  
 TTAGCAGGCCATTCTCGAATCTCCAGAAAAGCAGCTAACACTAAATGAGATCTATAACTGGTTCACAG  
 AATGTTTGTCTTACTTCCGACGCAACGCGGCCACGTGGAAGAATGCAGTGGTGCATAATCTTAGTCTTCAC  
 AAGTGTGTTTGTGCGAGTAGAAAACGTTAAAGGGCAGTATGGACAGTGGATGAAGTAGAATTCAAAAAC  
 GAAGGCCACAAAAGATCAGTGGTAACCTTCCCTTATTAACAAATGCAGAGCAGCCACGCTACTGCAC  
 ACCTCTCAATGCAGCTTTACAGGCTTCAATGGCTGAGAATAGTATACCTCTATACACTACCGCTTCCATG  
 GGAAATCCCACTCTGGGCAACTTAGCCAGCGCAATACGGGAAGAGCTGAACGGGGCAATGGAGCATACCA  
 ACAGCAACGAGAGTGACAGCAGTCCAGGCAGATCTCTATGCAAGCCGTGCATCTGTACACGTCAAAGA  
 AGAGCCCTCGATCCAGAGGAAGCTGAAGGGCCCTGTCTTAGTGACAACAGCCAACCACAGTCCAGAT  
 TTTGACATGACAGAGATTACGAAGATGAACCAGTAAACGAGGACATGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234475 representing NM\_001244813  
 Red=Cloning site Green=Tags(s)

MMTPQVITPQQMQQILQQQVLSPPQLQVLLQQQQALMLQQQQLQEFYKKQQEQLQLQLLQQQHAGKQPK  
 QQQVATQQLAFQQQLLQMQQLQQQHLLSLQRQGLLTIQPGQPALPLQPLAQGMIPTELQLWKEVTS  
 AEETTGNHSSLDLTTTCVSSSAPSKTSLIMNPHASTNGQLSVHTPKRESLSHEEHPHSHPLYGHVCKW  
 PGCEAVCEDFQSFLKHLNSEHALDDRSTAQCRVQMQQVQLELQLAKDKERLQAMMTHLHVKSTEPKAAP  
 QPLNLSVSVTLKSAASEASPQSLPHTPTPTAPLTPVTQGPSVITTTSMHTVGPIRRYSKYNVPISSA  
 DIAQNQEFYKNAEVRPPFTYASLIRQAILESPEKQLTLNEYNWFTRMFAYFRRNAATWKNVVRHNSLH  
 KCFVRVENYKGAVWTVDEVEFQKRRPQKISGNPSLIKMQSSHAYCTPLNAALQASMAENSIPLYTTASM  
 GNPTLGNLASAIREELNGAMEHTNSNESDSSPGRSPMQAVHPVHVKEEPLDPEEAEGPLSLVTTANHSPD  
 FDHDRDYEDPVEDME

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001244813

**ORF Size:** 1731 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\\_001244813.3](#)

**RefSeq Size:** 6394 bp

**RefSeq ORF:** 1734 bp

**Locus ID:** 27086

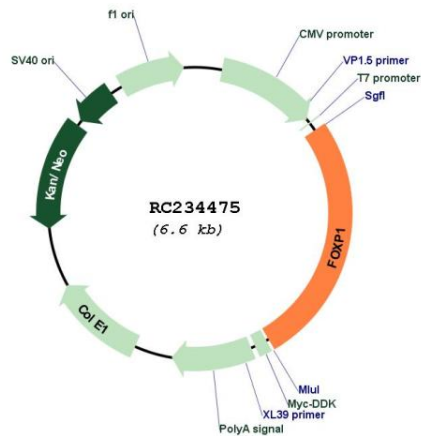
**Cytogenetics:** 3p13

**Protein Families:** Transcription Factors

MW: 65.2 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 RC234475